

Supplementary Information 1 – Lifestyle Data

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A1.1 GLAMURS

Table 1. Lifestyle data obtained from the GLAMURS study, used to develop lifestyles.

Category	Case study	Vision name	Description	Uptake Rate (% of upscaling)	Source for comments/assumptions	Time Frame	Short name
SP1	Local Galicia region	SP - Vision 1: Eco efficiency. Collaborative consumption & green growth for sustainable territories	Superstores operating in Galicia are forced to sell a minimum percentage of local products and pay taxes to the local administration where they are placed(pg 41)	30%	backcasting report + non-expert judgment + expert judgment	2040	Local products
SP2	Local Galicia region	SP - Vision 1: Eco efficiency. Collaborative consumption & green growth for sustainable territories	As a result, there are lower consumption levels of material goods and a higher consumption of services, that satisfy the demand for repair and maintenance services of appliances, clothes and other consumables.(pg 41)	30%	backcasting report + non-expert judgment + expert judgment	2040	Low use, repair
SP3	Local Galicia region	SP - Vision 2: Sufficiency. Human scale territories	Recycling, reuse of goods and collective use of services are strongly promoted. The population is committed to the model. (pg 49)	50%	backcasting report + non-expert judgment + expert judgment	2040	Recycle and reuse
SP4	Local Galicia	SP - Vision 2: Sufficiency. Human scale territories	Importations are low but if produced, are conditioned upon compliance with some social responsibility criteria decided by society	50%	backcasting report + non-expert judgment + expert judgment	2040	Fair imports

	ing	n region		by the foreign company and human rights. (pg 49)				
SP5	Clothing	SP - Galician region	Vision 3. Social Embedded Growth. Building community life in the Galician rural areas as a driver for sustainability and well-being.	The "Inditex" model of uniformity and globalised distribution of manufactured goods has been overcome. Production is mainly local.	80 %	backcasting report + non-expert judgment + expert judgment	2040	Local products
SP6	Clothing	SP - Galician region	Vision 3. Social Embedded Growth. Building community life in the Galician rural areas as a driver for sustainability and well-being.	Consolidation of more sustainable production and distribution networks(p.68)	80 %	backcasting report + non-expert judgment + expert judgment	202030	Sustainable production
SP7	Food	SP - Galician region	Vision 1: Eco efficiency. Collaborative consumption & green growth for sustainable territories	The most of the food consumed comes from near environments and are distributed through short supply chains(pg 41)	30 %	backcasting report + non-expert judgment + expert judgment	2040	Local food
SP8	Food	SP - Galician region	Vision 1: Eco efficiency. Collaborative consumption & green growth for sustainable territories	Most of the self-consumption comes from urban gardens that exist and are productive in all Galician cities(pg 41)	30 %	backcasting report + non-expert judgment + expert judgment	2040	Urban gardens

S	F	SP	Vision 1: Eco efficiency. Collaborative consumption & green growth for sustainable territories	The role attributed to responsible consumption cooperatives is key and these are the main intermediaries in supplying great part of food and manufactured products to the population.(pg 41)	30 %	backcasting report + non-expert judgment + expert judgment	2040	Cooperatives
S	F	SP	Vision 1: Eco efficiency. Collaborative consumption & green growth for sustainable territories	Superstores operating in Galicia are forced to sell a minimum percentage of local products and pay taxes to the local administration where they are placed(pg 41)	30 %	backcasting report + non-expert judgment + expert judgment	2040	Local food
S	F	SP	Vision 1: Eco efficiency. Collaborative consumption & green growth for sustainable territories	Those companies supporting local agriculture gain public recognition and specific labelling for those products and companies that respect nature and promote dignified working conditions starts being used. (Pg 44)	30 %	backcasting report + non-expert judgment + expert judgment	202030	Sustainable food
S	F	SP	Vision 2: Sufficiency. Human scale territories	Proximity and seasonal products are sought by consumers when making a purchase, which is in interest of small producers and generates working places. (pg 49)	50 %	backcasting report + non-expert judgment + expert judgment	2040	Local +seasonal food
S	F	SP	Vision 2: Sufficiency. Human scale territories	Less meat is consumed and products have less packaging and labels. (pg 52)	50 %	backcasting report + non-expert judgment + expert judgment	2040	Less meat and packaging
S	F	SP	Vision 2: Sufficiency.	Boosting local agriculture and livestock farming to reduce imports(pg 55)	50 %	backcasting report + non-expert judgment + expert judgment	201	Local food

14	od	cia n region	Human scale territories				6-2020	
SP15	Fo d	SP - Galician region	Vision 2: Sufficiency. Human scale territories	Incorporating organic farming parameters as the norm (pg 55)	50 %	backcasting report + non-expert judgment + expert judgment	2016-2020	Organic food
SP16	Fo d	SP - Galician region	Vision 2: Sufficiency. Human scale territories	Feeding farmed animals with grass, not cereals(pg 55)	50 %	backcasting report + non-expert judgment + expert judgment	2016-2020	Grass fed animals
SP17	Fo d	SP - Galician region	Vision 3. Social Embedded Growth. Building community life in the Galician rural areas as a driver for sustainability and well-being.	The primary sector recovered importance and the whole economic system is oriented towards food sovereignty. The activities within the primary sector are diversified. (pg 61)	80 %	backcasting report + non-expert judgment + expert judgment	2014-20	Food sovereignty
SP18	Fo d	SP - Galician region	Vision 3. Social Embedded Growth. Building	Fishing is mostly artisanal, and favours the conservation of resources and protection of estuaries and seas.(pg 61)	80 %	backcasting report + non-expert judgment + expert judgment	2014-20	Sustainable fishing

			region community life in the Galician rural areas as a driver for sustainability and well-being.					
S P 1 9	F o o d	SP - Gali cia n regi on	Vision 3. Social Embedded Growth. Building community life in the Galician rural areas as a driver for sustainability and well-being.	Food is strictly organic and seasonal (P 61)	80 %	backcasting report + non-expert judgment + expert judgment	2 0 4 0	Orga nic+s easo nal food
S P 2 0	F o o d	SP - Gali cia n regi on	Vision 3. Social Embedded Growth. Building community life in the Galician rural areas as a driver for sustainability and well-being.	Time margins from when food is harvested until it is consumed are reduced to a minimum, betting on the consumption of fresh produce. (P62)	80 %	backcasting report + non-expert judgment + expert judgment	2 0 4 0	Fres h food
S P 2 1	F o o d	SP - Gali cia n regi on	Vision 3. Social Embedded Growth. Building community life in the Galician rural areas as a driver for sustainability and well-being.	Promoting organic agriculture and farming (p67)	80 %	backcasting report + non-expert judgment + expert judgment	2 0 1 6 - 2 0 2 0	Orga nic food

S P 2 2	F o o d	SP - Gali cia n regi on	Vision 2: Sufficiency. Human scale territories	products have less packaging and labels. (pg 52)	50 %	backcasting report + non-expert judgment + expert judgment	2 0 4 0	Less pack aging
S P 2 3	M a n. P r o d u c t s	SP - Gali cia n regi on	Vision 1: Eco efficiency. Collaborative consumption & green growth for sustainable territories	The consumption of manufactured goods is low, especially the consumption of food processed products	30 %	backcasting report + non-expert judgment + expert judgment	2 0 4 0	No proc esse d prod ucts
S P 2 4	M a n. P r o d u c t s	SP - Gali cia n regi on	Vision 1: Eco efficiency. Collaborative consumption & green growth for sustainable territories	Many material goods before associated private use and benefit are shared in 2050.(pg 41)	30 %	backcasting report + non-expert judgment + expert judgment	2 0 4 0	Shar ed good s
S P 2 5	M a n. P r o d u c t s	SP - Gali cia n regi on	Vision 2: Sufficiency. Human scale territories	Suppliers offer information about quality, origin and properties of their products (pg 49)	50 %	backcasting report + non-expert judgment + expert judgment	2 0 4 0	Prod uct infor matio n
S P	M a n.	SP - Gali	Vision 2: Sufficiency.	Reduce levels of mineral use and replacing them with other renewable materials (2016-2020)	50 %	backcasting report + non-expert judgment + expert judgment	2 0 1	Renewabl e

26	Products	Galician region	Human scale territories				62020	materials
SP27	Manufactured products	SP - Galician region	Vision 3. Social Embedded Growth. Building community life in the Galician rural areas as a driver for sustainability and well-being.	Most of the goods consumed are organic, local and fair. (P62)	80%	backcasting report + non-expert judgment + expert judgment	240	Green products
SP28	Manufactured products	SP - Galician region	Vision 3. Social Embedded Growth. Building community life in the Galician rural areas as a driver for sustainability and well-being.	Reduction of the surpluses is sought. (P62)	80%	backcasting report + non-expert judgment + expert judgment	240	Surplus reduction
SP29	Manufactured products	SP - Galician region	Vision 3. Social Embedded Growth. Building community life in the Galician rural areas as a driver for sustainability and well-being.	There are new and participative ways of commercialisation and labelling. When a product has a harmful ingredient, producers are forced to indicate it. (P62)	80%	backcasting report + non-expert judgment + expert judgment	240	Participative commercialisation

SPO30	M a r o d u c t s	SP - Gali cia n regi on	Vision 3. Social Embedded Growth. Building community life in the Galician rural areas as a driver for sustainability and well-being.	the life extension of manufactured goods a(P62)	80 %	backcasting report + non-expert judgment + expert judgment	2 0 4 0	Life exten sion
SPO31	M o b i l i t y	SP - Gali cia n regi on	Vision 1: Eco efficiency. Collaborative consumption & green growth for sustainable territories	Less time is spent on mobility. Commuting times between homes and workplaces were reduced thanks to an efficient public transportation system and improved technologies. (pg 40)	30 %	backcasting report + non-expert judgment + expert judgment	2 0 4 0	Time savin gs
SPO32	M o b i l i t y	SP - Gali cia n regi on	Vision 1: Eco efficiency. Collaborative consumption & green growth for sustainable territories	Teleworking reduces the number of daily trips between the residential areas and working centres.(pg 41)	30 %	backcasting report + non-expert judgment + expert judgment	2 0 4 0	Tele worki ng
SPO33	M o b i l i t y	SP - Gali cia n regi on	Vision 1: Eco efficiency. Collaborative consumption & green growth for sustainable territories	Private cars are shared often and their use is decreasing. (pg 41)	30 %	backcasting report + non-expert judgment + expert judgment	2 0 4 0	Shar ed cars
SPO34	M o b i l i t y	SP - Gali cia n regi on	Vision 1: Eco efficiency. Collaborative consumption & green growth for sustainable territories	The use of bicycles is common. (pg 41)	30 %	backcasting report + non-expert judgment + expert judgment	2 0 4 0	Bicyc ling

S	M	SP	Vision 2: Sufficiency. Human scale territories	Transport offer is adapted to real demand and guaranteed. (pg 50)	50 %	backcasting report + non-expert judgment + expert judgment	2 0 4 0	Dem and adap tation
P	o	-	Vision 2: Sufficiency. Human scale territories	The population live close from work.(pg 50)	50 %	backcasting report + non-expert judgment + expert judgment	2 0 4 0	Live close from work
3	b	Gali	Vision 2: Sufficiency. Human scale territories	A comprehensive plan for rural-urban mobility was developed and has allowed the existence of a public transport network that efficiently links villages, cities and towns. (pg 50)	50 %	backcasting report + non-expert judgment + expert judgment	2 0 4 0	Publi c trans port
5	i	cia	Vision 2: Sufficiency. Human scale territories	Public transport uses renewable energy. (pg 50)	50 %	backcasting report + non-expert judgment + expert judgment	2 0 4 0	Rene wabl e fuels
6	l	n	Vision 2: Sufficiency. Human scale territories	Sustainable means of transport are the mainstream now and fostered, including the organisation of collective transport for everyone. (pg 50)	50 %	backcasting report + non-expert judgment + expert judgment	2 0 4 0	Colle ctive trans port
7	i	regi	Vision 2: Sufficiency. Human scale territories	The train is the main means of transport and the connections are facilitated by interchangers.(pg 50)	50 %	backcasting report + non-expert judgment + expert judgment	2 0 4 0	Train s
8	o	on						
9	y							
0								

			region					
S	M	SP	Vision 2: Sufficiency. Human scale territories	Mobility by bike and on foot is fostered as a way to discover the own geography.(pg 50)	50 %	backcasting report + non-expert judgment + expert judgment	2040	Biking and walking
P	o	-						
4	b	Gali	Vision 2: Sufficiency. Human scale territories	New pedestrian paths connecting natural areas are opened.(pg 50)	50 %	backcasting report + non-expert judgment + expert judgment	2040	Pedestrian paths
1	l	cia						
	y	n	Vision 2: Sufficiency. Human scale territories	Even though a big effort has been made in interconnecting the whole region the public transport network still does not reach all parts of the countryside. (pg 50)	50 %	backcasting report + non-expert judgment + expert judgment	2040	Limitations of public transport
		regi						
		on	Vision 2: Sufficiency. Human scale territories	The dependence on transport decreased.(pg 52)	50 %	backcasting report + non-expert judgment + expert judgment	2040	Low dependence
			Vision 2: Sufficiency. Human scale territories	Localisms applied to mobility disappeared and there is only one big airport in Galicia(pg 52)	50 %	backcasting report + non-expert judgment + expert judgment	2040	Less localism
S	M	SP	Vision 2: Sufficiency.	Several measures have been taken to take advantage of the strategic location of Galicia for freight transportation by ship (pg 53)	50 %	backcasting report + non-expert judgment + expert judgment	20	Ships for
P	o	-						
4	b	Gali						
1	l	cia						
	y	n						
		regi						
		on						

46	lit y	cia n regi on	Human scale territories				40	freight
SP47	M o b i l i t y	SP - Gali cia n regi on	Vision 3. Social Embedded Growth. Building community life in the Galician rural areas as a driver for sustainability and well-being.	The consumption and energy production was sharply reduced because of fossil fuels crisis and the rising costs of transportation and distribution (p63)	80 %	backcasting report + non-expert judgment + expert judgment	2040	Less transportation
SP48	M o b i l i t y	SP - Gali cia n regi on	Vision 3. Social Embedded Growth. Building community life in the Galician rural areas as a driver for sustainability and well-being.	Implementation of short supply chains (together with producers)(p67)	80 %	backcasting report + non-expert judgment + expert judgment	201620	Short supply chains
SP49	S e r v i c e s	SP - Gali cia n regi on	Vision 1: Eco efficiency. Collaborative consumption & green growth for sustainable territories	New technological innovations were developed, including new services, applications and devices but also the use of old technologies, "greener" and adapted to the local environment was recovered. (pg 42)	30 %	backcasting report + non-expert judgment + expert judgment	2040	Service innovations
SP50	S e r v i c e s	SP - Gali cia n regi on	Vision 1: Eco efficiency. Collaborative consumption & green growth for sustainable territories	In addition, a democratization process regarding access and use of technologies took place.(pg 42)	30 %	backcasting report + non-expert judgment + expert judgment	2040	Democratization

S	P	5	1	SP - Gali cia n regi on	Vision 2: Sufficiency. Human scale territories	People make their living in small territorial units, within which they have all the necessary services (education, hospitals). The resources of each administrative unit are self-managed, generating much diversity between them. (pg48)	50 %	backcasting report + non-expert judgment + expert judgment	2 0 4 0	Local servi ce suppl y
S	P	5	2	SP - Gali cia n regi on	Vision 2: Sufficiency. Human scale territories	There are services that are jointly managed, as waste treatment. (pg.49)	50 %	backcasting report + non-expert judgment + expert judgment	2 0 4 0	Joint man age ment
S	P	5	3	SP - Gali cia n regi on	Vision 2: Sufficiency. Human scale territories	Many companies share equipment and services.(pg 49)	50 %	backcasting report + non-expert judgment + expert judgment	2 0 4 0	Shar ed servi ces
S	P	5	4	SP - Gali cia n regi on	Vision 2: Sufficiency. Human scale territories	The free software development is fostered and 3-D printers are commonly used, as a solution to home repairs.(pg 50)	50 %	backcasting report + non-expert judgment + expert judgment	2 0 4 0	Hom e repa irs
S	P	5	5	SP - Gali cia n regi on	Vision 2: Sufficiency. Human scale territories	There are major and new forms of collaborative consumption, cooperatives and the exchange of knowledge and services, such as time banks (pg 52)	50 %	backcasting report + non-expert judgment + expert judgment	2 0 4 0	Time bank s
S	P	5	6	SP - Gali cia n	Vision 2: Sufficiency. Human scale territories	Citizen initiatives manage care services for the elderly and children (pg. 54)	50 %	backcasting report + non-expert judgment + expert judgment	2 0 3 0 -	Citiz en initati ves

	e s	region					2 0 4 0	
S P 5 7	S e r v i c e s	SP - Gali cia n regi on	Vision 2: Sufficiency. Human scale territories	Rural services improve(pg 55)	50 %	backcasting report + non-expert judgment + expert judgment	2 0 2 0 3 0	Rural servi ces
S P 5 8	S e r v i c e s	SP - Gali cia n regi on	Vision 3. Social Embedded Growth. Building community life in the Galician rural areas as a driver for sustainability and well-being.	most of manufactured goods and services are shared, reducing the levels of waste generated (P61)	80 %	backcasting report + non-expert judgment + expert judgment	2 0 4 0	Shar ed servi ces
S P 5 9	S e r v i c e s	SP - Gali cia n regi on	Vision 3. Social Embedded Growth. Building community life in the Galician rural areas as a driver for sustainability and well-being.	Citizen initiatives are responsible for the provision of goods and services. (p62)	80 %	backcasting report + non-expert judgment + expert judgment	2 0 4 0	Citiz en initati ves
S P 6 0	S e r v i c e s	SP - Gali cia n	Vision 3. Social Embedded Growth. Building	Certain services management is already decentralized, leading local institutions to assume greater responsibilities.	80 %	backcasting report + non-expert judgment + expert judgment	2 0 4 0	Local servi ce suppl y

	e s	regi on	community life in the Galician rural areas as a driver for sustainability and well-being.					
S P 6 1	S e r v i c e s	SP - Gali cia n regi on	Vision 3. Social Embedded Growth. Building community life in the Galician rural areas as a driver for sustainability and well-being.	Eliminating barriers to local competences. Only when the local management of a certain service is not possible, this should be transferred to higher bodies(p63)	80 %	backcasting report + non-expert judgment + expert judgment	2 0 4 0	Local servi ce suppl y
S P 6 2	S e r v i c e s	SP - Gali cia n regi on	Vision 3. Social Embedded Growth. Building community life in the Galician rural areas as a driver for sustainability and well-being.	Bring green services and products closer to citizens(p67)	80 %	backcasting report + non-expert judgment + expert judgment	2 0 3 0 - 2 0 4 0	Gree n servi ces
S P 6 3	S h e l t e r	SP - Gali cia n regi on	Vision 1: Eco efficiency. Collaborative consumption & green growth for sustainable territories	The building and urban planning model generates the very least ecological impact and is committed to the creation of new public and meeting spaces. (pg40)	30 %	backcasting report + non-expert judgment + expert judgment	2 0 4 0	Low impa ct, Publi c spac es
S P 6 4	S h e l t e r	SP - Gali cia n	Vision 1: Eco efficiency. Collaborative consumption & green growth	As for house building, bio-constructions techniques are the usual ones and many materials are reused, prioritising the restoration of buildings over the construction of new ones (pg 40)	30 %	backcasting report + non-expert judgment + expert judgment	2 0 4 0	Reus e and resto

		region	for sustainable territories					ratio			
S	P	6	5	Shelter	SP - Galician region	Vision 1: Eco efficiency. Collaborative consumption & green growth for sustainable territories	Most dwellings are self-sufficient thanks to the commitment of both the regional government and the councils. (pg 42)	30 %	backcasting report + non-expert judgment + expert judgment	2040	Self-sufficient houses
S	P	6	6	Shelter	SP - Galician region	Vision 2: Sufficiency. Human scale territories	The organization of housing and urbanism promotes community life and greater contact with nature. (pg 49)	50 %	backcasting report + non-expert judgment + expert judgment	2040	Community life housing
S	P	6	7	Shelter	SP - Galician region	Vision 2: Sufficiency. Human scale territories	The supply and energy production system are based on local and renewable resources. (pg 49)	50 %	backcasting report + non-expert judgment + expert judgment	2040	Renewable energy
S	P	6	8	Shelter	SP - Galician region	Vision 2: Sufficiency. Human scale territories	Energy sources used are wind, photovoltaic, solar, geothermal and tidal. (pg 49)	50 %	backcasting report + non-expert judgment + expert judgment	2040	Renewable energy
S	P	6	9	Shelter	SP - Galician region	Vision 2: Sufficiency. Human scale territories	The energy sector is owned by citizens, which allows direct control over it for the benefit of all citizens. (pg 49)	50 %	backcasting report + non-expert judgment + expert judgment	2040	Citizen owned energy sector
S	P	6	el	Shelter	SP - Galician region	Vision 2: Sufficiency.	The available energy is generated locally and comes from multiple sources and through a distributed electric network.(pg 50)	50 %	backcasting report + non-expert judgment + expert judgment	2040	Local energy

70	ter	Galician region	Human scale territories				40	
SP71	Shelter	SP - Galician region	Vision 2: Sufficiency. Human scale territories	Controlling overexploitation of biomass plants(pg 54)	50 %	backcasting report + non-expert judgment + expert judgment	202030	Less biomass plants
SP72	Shelter	SP - Galician region	Vision 3. Social Embedded Growth. Building community life in the Galician rural areas as a driver for sustainability and well-being.	Less fossil energies are consumed (pg61)	80 %	backcasting report + non-expert judgment + expert judgment	2040	Less fossil energy
SP73	Shelter	SP - Galician region	Vision 3. Social Embedded Growth. Building community life in the Galician rural areas as a driver for sustainability and well-being.	Dwellings are eco-efficient in this vision. (pg61)	80 %	backcasting report + non-expert judgment + expert judgment	2040	Eco-efficiency
SP74	Shelter	SP - Galician region	Vision 3. Social Embedded Growth. Building	The consumption and energy production was sharply reduced because of fossil fuels crisis and the rising costs of transportation and distribution (pg63)	80 %	backcasting report + non-expert judgment + expert judgment	2040	Low energy use

		region	community life in the Galician rural areas as a driver for sustainability and well-being.					
SP75	Waste treatment	SP - Galician region	Vision 1: Eco efficiency. Collaborative consumption & green growth for sustainable territories	The new circular economic model enables a drastic reduction of waste and keeps the aggregate production and demand levels low. This is a result on the one hand of the generalisation of recycling and reuse of products and materials, and on the other a direct result of the new forms of collaborative consumption and sharing of goods and services, very common. (pg.40)	30%	backcasting report + non-expert judgment + expert judgment	2040	Recycle, reuse, share
SP76	Waste treatment	SP - Galician region	Vision 1: Eco efficiency. Collaborative consumption & green growth for sustainable territories	However, the governments increase the interventionism on the economy by banning the sale of products with non returnable packaging and forcing companies to work with standards. (pg.44)	30%	backcasting report + non-expert judgment + expert judgment	2030 - 2040	Product regulations
SP77	Waste treatment	SP - Galician region	Vision 2: Sufficiency. Human scale territories	Besides, waste generation has been drastically reduced, partly due to modular construction, re-use enhancement and repair by parts of manufactured products, which are broadly widespread. (pg 49)	50%	backcasting report + non-expert judgment + expert judgment	2040	Remake, reuse, repair
SP78	Waste	SP - Galician	Vision 2: Sufficiency. Human scale territories	Eradication of emissions from polluting wastes (pg 55)	50%	backcasting report + non-expert judgment + expert judgment	2030	Less emissions from

	tr e a t m e n t	n r e g i o n					- 2 0 4 0	wast e
S P 7 9	W a s t e t r e a t m e n t	SP - Gali cia n r e g i o n	Vision 2: Sufficiency. Human scale territories	Elimination of wastes through processing them and transforming them into useful resources (pg 55)	50 %	backcasting report + non-expert judgment + expert judgment	2 0 3 0 - 2 0 4 0	Tran sfor ming wast e
S P 8 0	W a s t e t r e a t m e n t	SP - Gali cia n r e g i o n	Vision 3. Social Embedded Growth. Building community life in the Galician rural areas as a driver for sustainability and well-being.	To avoid waste generation communities do not produce beyond their needs(pg 60)	80 %	backcasting report + non-expert judgment + expert judgment	2 0 4 0	Limit prod uctio n
S P 8 1	W a s t e t r e a t m e n t	SP - Gali cia n r e g i o n	Vision 3. Social Embedded Growth. Building community life in the Galician rural areas as a driver for sustainability and well-being.	Waste reduction	80 %	backcasting report + non-expert judgment + expert judgment	2 0 3 0 - 2 0 4 0	Redu ce wast e

S P 8 2	W a s t e r e a t m e n t	SP - Gali cia n regi on	Vision 3. Social Embedded Growth. Building community life in the Galician rural areas as a driver for sustainability and well-being.	A technological development process is taking place linked to the spread of recycling, reuse and repair activities. (p 62)	80 %	backcasting report + non-expert judgment + expert judgment	2 0 4 0	Recy cle, reus e, repa ir
S P 8 3	W a s t e r e a t m e n t	SP - Gali cia n regi on	Vision 3. Social Embedded Growth. Building community life in the Galician rural areas as a driver for sustainability and well-being.	More recycling and re-use of products that takes place helped by RDI efforts	80 %	backcasting report + non-expert judgment + expert judgment	2 0 4 0	Recy cle, reus e
S P 8 4	G e n e r a l	SP - Gali cia n regi on	Vision 1: Eco efficiency. Collaborative consumption & green growth for sustainable territories	The shortening of working hours allows a balance between leisure and work. For large sections of the population there is a standard working day of 8 hours with possibilities for teleworking. There is flexibility in the negotiation of labour conditions and this allows the reconciliation between working life and family. At the aggregate level people work fewer hours, which leaves more free time to people.(pg.40)	30 %	backcasting report + non-expert judgment + expert judgment	2 0 4 0	Less work ing hour s
S P 8 5	G e n e r a l	SP - Gali cia n regi on	Vision 1: Eco efficiency. Collaborative consumption & green growth for sustainable territories	Sustainability in 2040 is explained by two major structural changes: the generalization of collaborative consumption and the commitment and development of green technologies, more environmentally- friendly. (pg 41)	30 %	backcasting report + non-expert judgment + expert judgment	2 0 4 0	Colla borat ive cons umpti on, Gree n

								technologies
S P 8 6	Ge n e r al	SP - Gali cia n regi on	Vision 1: Eco efficiency. Collaborative consumption & green growth for sustainable territories	The government and policy makers introduce sustainability policies and fiscal incentives for increasing the re-use of goods and reducing the aggregate consumption levels. (pg 43)	30 %	backcasting report + non-expert judgment + expert judgment	2 0 1 6 - 2 0 2 0	Re-use and reduce consumption
S P 8 7	Ge n e r al	SP - Gali cia n regi on	Vision 1: Eco efficiency. Collaborative consumption & green growth for sustainable territories	With respect to Businesses, they are reorganised to create short supply chains which use mainly local resources(pg 43)	30 %	backcasting report + non-expert judgment + expert judgment	2 0 1 6 - 2 0 2 0	Local resources
S P 8 8	Ge n e r al	SP - Gali cia n regi on	Vision 1: Eco efficiency. Collaborative consumption & green growth for sustainable territories	Through the regulation of the production processes and increasing awareness regarding consumption patterns, they undermine the "use and throw away culture" (pg 44)	30 %	backcasting report + non-expert judgment + expert judgment	2 0 2 0 - 2 0 3 0	New consumption culture
S P 8 9	Ge n e r al	SP - Gali cia n regi on	Vision 1: Eco efficiency. Collaborative consumption & green growth for sustainable territories	Specific labelling for those products and companies that respect nature and promote dignified working conditions starts being used. This fosters also a progressive change across the large industry, which becomes more sustainable (pg 44)	30 %	backcasting report + non-expert judgment + expert judgment	2 0 2 0 - 2 0 3 0	Green labelling

S	G	SP	Vision 2: Sufficiency. Human scale territories	In 2040 Galicia is a resilient and sustainable territory mainly because a joint shift on the economy, culture and resource management. All these changes are aimed at ensuring sufficiency across society, keeping the footprint level low and involving a prosperity model that would rely on immaterial goods over material ones and serve as basis for the spread of a common good culture. (pg 48)	50 %	backcasting report + non-expert judgment + expert judgment	2 0 4 0	Econ omy shift
S	G	SP	Vision 2: Sufficiency. Human scale territories	There has been a sharp decrease in the aggregate levels of demand and supply. (pg 48)	50 %	backcasting report + non-expert judgment + expert judgment	2 0 4 0	Low er out put
S	G	SP	Vision 2: Sufficiency. Human scale territories	The administrative organization and the geographical dimension of everyday life are done at a small-scale. Cities are organized in neighbourhoods and districts. Villages are organised in parishes. People make their living in small territorial units, within which they have all the necessary services (education, hospitals). The resources of each administrative unit are self-managed, generating much diversity between them. (pg48)	50 %	backcasting report + non-expert judgment + expert judgment	2 0 4 0	
S	G	SP	Vision 2: Sufficiency. Human scale territories	There are many cases in which consumers and producers agree the levels of supply and demand, reducing the use of energy resources and time invested in the distribution and sale / purchase. (pg 49)	50 %	backcasting report + non-expert judgment + expert judgment	2 0 4 0	
S	G	SP	Vision 2: Sufficiency. Human scale territories	The economic structure is composed basically by SME's. Besides, companies are in charge of developing their own ethical codes and applying them, leaving room for their self-organisation (pg 51)	50 %	backcasting report + non-expert judgment + expert judgment	2 0 4 0	

			regi on					
S P 9 5	G e n e r al	SP - Gali cia n regi on	Vision 2: Sufficiency. Human scale territories	Transition towards sustainability was a slow process. Strategies of both sufficiency and eco-efficiency were combined, with greater emphasis on sufficiency. (pg 51)	50 %	backcasting report + non-expert judgment + expert judgment	2 0 4 0	
S P 9 6	G e n e r al	SP - Gali cia n regi on	Vision 2: Sufficiency. Human scale territories	People live less stressed. The working hours are shorter and more efficient than in 2015.(pg.51)	50 %	backcasting report + non-expert judgment + expert judgment	2 0 4 0	
S P 9 7	G e n e r al	SP - Gali cia n regi on	Vision 3. Social Embedded Growth. Building community life in the Galician rural areas as a driver for sustainability and well-being.	There are local economies and networking between them, not global or large-scale ones. The market and transactions between local economies exist but the use of local resources, the distribution and provision of services work mainly at local level, which leads to the reduction of the environmental footprint and perceived needs, all oriented towards enhancing the well-being among the population. (pg. 60)	80 %	backcasting report + non-expert judgment + expert judgment	2 0 4 0	
S P 9 8	G e n e r al	SP - Gali cia n regi on	Vision 3. Social Embedded Growth. Building community life in the Galician rural areas as a driver for sustainability and well-being.	There was a significant decrease in the levels of consumption and production of material resources. (pg. 60)	80 %	backcasting report + non-expert judgment + expert judgment	2 0 4 0	
S P	G e n e r al	SP - Gali cia n regi on	Vision 3. Social	Most of consumption is collaborative and the population has sufficient skills and knowledge	80 %	backcasting report + non-expert judgment + expert judgment	2 0	

99	General	Galician region	Embedded Growth. Building community life in the Galician rural areas as a driver for sustainability and well-being.	as to ensure the degree of self-sufficiency at the local level is high.(pg. 60)			40	
SP100	General	SP - Galician region	Vision 3. Social Embedded Growth. Building community life in the Galician rural areas as a driver for sustainability and well-being.	Most of people live in rural areas. There, innovative projects are developed based on strengthening local resources, the production of organic of food and sustainable goods and the creation of short marketing circuits. (pg 60)	80 %	backcasting report + non-expert judgment + expert judgment	2040	
SP101	General	SP - Galician region	Vision 3. Social Embedded Growth. Building community life in the Galician rural areas as a driver for sustainability and well-being.	The nature of work changed and people's quality of life depend less on their wages from paid work, but more on their community. (pg 61)	80 %	backcasting report + non-expert judgment + expert judgment	2040	
SP102	General	SP - Galician region	Vision 3. Social Embedded Growth. Building community life in the Galician rural areas as a driver for	Galician society has a low ecological footprint and effects of the peak oil are felt. Access to fossil energy resources is very expensive (p 62)	80 %	backcasting report + non-expert judgment + expert judgment	2040	

			sustainability and well-being.					
S P 1 0 3	G e n e r a l	SP - Gali cia n regi on	Vision 3. Social Embedded Growth. Building community life in the Galician rural areas as a driver for sustainability and well-being.	Most of the energy consumption comes from renewable sources. (p 62)	80 %	backcasting report + non-expert judgment + expert judgment	2 0 4 0	
S P 1 0 4	G e n e r a l	SP - Gali cia n regi on	Vision 3. Social Embedded Growth. Building community life in the Galician rural areas as a driver for sustainability and well-being.	Citizen initiatives are responsible for the provision of goods and services. Their agency led them to penetrate the institutions to such an extent that the traditional division of roles among public institutions and citizens disappeared and more cooperative relationships between them exist. (p62)	80 %	backcasting report + non-expert judgment + expert judgment	2 0 4 0	
S P 1 0 5	G e n e r a l	SP - Gali cia n regi on	Vision 3. Social Embedded Growth. Building community life in the Galician rural areas as a driver for sustainability and well-being.	Public Institutions still keep the role of ensuring service provision arrives to the entire population, the provision of it is organised at the local level. (p63)	80 %	backcasting report + non-expert judgment + expert judgment	2 0 4 0	
A U T 1	cl ot hi n g	AU T – Da nub e-	Pure living	Strengthening local production of clothes based on natural fibre	10 0 %	AUT_Vision	2 0 2 0	Natur al & local

		Bohemian Forest							
AUT 2	Food	AUT – Danube-Bohemian Forest	Pure living	The region is characterised by a strong belief in local resources and self-produced agricultural products .	100%	AUT_Vision		2040	Local food
AUT 3	Food	AUT – Danube-Bohemian Forest	Pure living	the region turned to healthy, organic and local food production	100%	AUT_Vision		2040	Healthy, organic, local food
AUT 4	Food	AUT – Danube-Bohemian Forest	Pure living	The treatment of land should be regulated in terms of a self-sufficiency of the respective regions.	100%	AUT_BC	this would mean there is no food import at all	2020	Self-sufficiency of regions
AUT 5	Food	AUT – Danube-	Pure living	whole agriculture has to be adapted to current ecological challenges .	100%	AUT_BC		2020	Green agriculture

		Bohemian Forest							
AUT6	Ford	AUT – Danube-Bohemian Forest	Pure living	buying regional food attractive for families from the region.	100%	AUT_BC	regional and organic share up to 90%	2030	Regional food
AUT7	Ford	AUT – Danube-Bohemian Forest	Pure living	All festivities are supplied by regional products and all public institutions have pledged to cook 99% of their food regionally and organically.	100%	AUT_BC		2030	Regional, organic food
AUT8	Ford	AUT – Danube-Bohemian Forest	Pure living	cooperation between various farming cooperatives in the realm of building and energy generation will have become the norm.	100%	AUT_BC	leading to sustainable building and own energy generation mainly from PV	2040	Energy cooperation
AUT9	Man. Pr	AUT – Danube-	Pure living	Local, sustainable and fair produced food is highly appreciated in the entire region.	100%	AUT_Vision		2040	Sustainable food

	o d u c t s	Boh emi an For est							
A U T 1 0	M a n. P r o d u c t s	AU T – Da nub e- Boh emi an For est	Pure living	the region turned to healthy, organic and local food production	10 0 %	AUT_Vision		2 0 2 0 0	Sust ainab le food
A U T 1 1	M a n. P r o d u c t s	AU T – Da nub e- Boh emi an For est	Pure living	the local economy got a remarkable boost whereas the dependence of the global food industry today is much lower	10 0 %	AUT_Vision		2 0 4 0 0	Local food indus try
A U T 1 2	M a n. P r o d u c t s	AU T – Da nub e- Boh emi an For est	Pure living	The concept of sharing is formative for the region	10 0 %	AUT_Vision		2 0 4 0 0	Shar ed good s
A U T 1 3	M a n. P r o d u c t s	AU T – Da nub e- Boh emi an For est	Pure living	people use (own) resources economically and consume less intensely.	10 0 %	AUT_Vision		2 0 3 0 0	Cons ume less

	o d u c t s	Boh emi an For est							
A U T 1 4	M a n. P r o d u c t s	AU T – Da nub e- Boh emi an For est	Pure living	strengthening local value-added chains and prefer local products for many reasons.	10 0 %	AUT_Vision	import dependency decreases strongly, not only for food	2 0 4 0	Local products
A U T 1 5	M a n. P r o d u c t s	AU T – Da nub e- Boh emi an For est	Pure living	Support for local businesses also helps the region to act more independently from too big and too powerful companies.	10 0 %	AUT_Vision		2 0 3 0	Independancy, small-scale
A U T 1 6	M a n. P r o d u c t s	AU T – Da nub e- Boh emi an For est	Pure living	tax rewards if companies follow ecologic criteria and focus on regional products in their purchasing.	10 0 %	AUT_BC		2 0 3 0	Ecor egional products
A U T 1 7	M a n. P r e-	AU T – Da nub e-	Pure living	machines, resource use and financial transactions will be taxed more heavily.	10 0 %	AUT_BC		2 0 3 0	Tax shift

	o d u c t s	Boh emi an For est						
A U T 1 8	M a n. P r o d u c t s	AU T – Da nub e- Boh emi an For est	Pure living	rethinking and recalculation of the real costs of products.	10 0 %	AUT_BC		2 0 2 0 0 Real cost of prod ucts
A U T 1 9	M a n. P r o d u c t s	AU T – Da nub e- Boh emi an For est	Pure living	ecological costs are included in the price of a product	10 0 %	AUT_BC		2 0 2 0 0 Ecol ogica l costs
A U T 2 0	M a n. P r o d u c t s	AU T – Da nub e- Boh emi an For est	Pure living	Second-hand buying will drastically increase and all respective subsidising systems will be redesigned in a way that they help to try using a product as long as possible.	10 0 %	AUT_BC	in general consumption of new products will be reduced	2 0 3 0 0 Seco nd- hand
A U T 2 1	M a n. P r o d u c t s	AU T – Da nub e-	Pure living	Businesses in the DBW region produce more products that are for at least 70% made of regional raw materials , the same goes for the food industry.	10 0 %	AUT_BC	how many has to be discussed	2 0 4 0 0 Regi onal prod ucts

	o d u c t s	Boh emi an For est							
A U T 2 2	M o b i l i t y	AU T – Da nub e- Boh emi an For est	Pure living	Long-distance commuting belongs to the past, as people work less in paid jobs and there are more jobs in the region as well as flexible solutions concerning telework.	10 0 %	AUT_Vision		2 0 4 0	Short er com mutin g
A U T 2 3	M o b i l i t y	AU T – Da nub e- Boh emi an For est	Pure living	People share cars and other means of transport.	10 0 %	AUT_Vision	in 2040 there will be practically no private cars anymore; all belong to a car-sharing system	2 0 4 0	Car- shari ng
A U T 2 4	M o b i l i t y	AU T – Da nub e- Boh emi an For est	Pure living	everybody should have access sustainable public transport that brings you anywhere	10 0 %	AUT_Vision		2 0 4 0	Publi c trans port
A U T 2 5	M o b i l i t y	AU T – Da nub e-	Pure living	All vehicles run on renewable energies	10 0 %	AUT_BC	mainly e-cars from locally produced energy by PV	2 0 4 0	Renewabl e fuels

		Bohemian Forest							
AUT 26	Mobility	AUT – Danube-Bohemian Forest	Pure living	tax on kerosene will impede too extensive flight travel behaviour of the population	100%	AUT_BC		2040	Flying less
AUT 27	Mobility	AUT – Danube-Bohemian Forest	Pure living	incentives for private car ownership will be abolished	100%	AUT_BC		2020	Less private cars
AUT 28	Mobility	AUT – Danube-Bohemian Forest	Pure living	attractiveness of public transportation will be considerably increased in turn, e.g. through separate bus lanes, cheaper tickets and so on.	100%	AUT_BC		2020	Public transport
AUT 29	Mobility	AUT – Danube-	Pure living	incentives for electric mobility as well, free parking in cities for example.	100%	AUT_BC		2020	Electric mobility

		Bohemian Forest							
AUT30	Mobility	AUT – Danube-Bohemian Forest	Pure living	Tax advantages will also be granted for private households which can prove to have an especially sustainable manner of mobility	100%	AUT_BC		2030	Sustainable mobility
AUT31	Mobility	AUT – Danube-Bohemian Forest	Pure living	implementation of car sharing concepts in the private domain in settlements and municipalities is to be promoted also by land use planning	100%	AUT_BC		2020	Car-sharing
AUT32	Mobility	AUT – Danube-Bohemian Forest	Pure living	total change of gas stations into electric charging stations will be fulfilled.	100%	AUT_BC		2030	Electric mobility
AUT33	Mobility	AUT – Danube-	Pure living	sustainable mobility will be included in basic education	100%	AUT_BC		2030	Green mobility

		Bohemian Forest							education
AUT34	Mobility	AUT – Danube-Bohemian Forest	Pure living	Mühlkreisbahn (regional train line) is to be connected to Linz main station	100%	AUT_BC	thus it is possible for people who want to go outside Linz or who commute outside Linz to use the train	2030	Train mobility
AUT35	Mobility	AUT – Danube-Bohemian Forest	Pure living	Commercial shared taxis will provide comfortable and fast travel if needed, with the support of a well-coordinated mobility management centre .	100%	AUT_BC		2030	Shared taxis, mobility management centre
AUT36	Mobility	AUT – Danube-Bohemian Forest	Pure living	There will also exist a car sharing network covering the whole Mühlviertel region by 2030.	100%	AUT_BC		2030	Car-sharing
AUT37	Mobility	AUT – Danube-	Pure living	Even land-use plans will incorporate regulations that attractively design and ensure car sharing concepts in municipal settlement policy.	100%	AUT_BC		2030	Car-sharing

		Bohemian Forest							
AUT38	Mobility	AUT – Danube-Bohemian Forest	Pure living	Mühlkreisbahn will be equipped with individual cabins that render any other individual transportation obsolete.	100%	AUT_BC		2040	Train mobility
AUT39	Mobility	AUT – Danube-Bohemian Forest	Pure living	virtual system of calling and delivering automobiles.	100%	AUT_BC	cars that drive automatically	2040	Car use automation
AUT40	Services	AUT – Danube-Bohemian Forest	Pure living	individual potentials get identified, developed and supported in such a way as to enable the individuals and the society to make more use out of special skills.	100%	AUT_Vision	leading to still use traditional forms of handicraft and agriculture	2040	Special skills
AUT41	Services	AUT – Danube-	Pure living	Trial and error , „do it yourself“ and co-creative approaches are all together cornerstones of this holistic education.	100%	AUT_Vision		2040	Holistic education

	e s	Boh emi an For est							
A U T 4 2	S e r v i c e s	AU T – Da nub e- Boh emi an For est	Pure living	Different medical approaches cooperate as far as possible and all in all they are focused on healing instead of „repairing“ their bodies .	10 0 %	AUT_Vision		2 0 4 0	Alter nativ e medi cine
A U T 4 3	S e r v i c e s	AU T – Da nub e- Boh emi an For est	Pure living	„time account“ that is supposed to facilitate mutual help and doing business outside the monetary system.	10 0 %	AUT_BC		2 0 2 0	Time acco unt
A U T 4 4	S e r v i c e s	AU T – Da nub e- Boh emi an For est	Pure living	environmental education will be an important part of all education plans, from kindergarten to university, as the foundation of a healthy and organic nutrition.	10 0 %	AUT_BC		2 0 3 0	Envir onm ental educ ation
A U T 4 5	S e r v i c e	AU T – Da nub e-	Pure living	social networks for craftspersons , similar to Facebook, a collective approach to projects will be facilitated.	10 0 %	AUT_BC		2 0 2 0	Soci al netw orks for

	e s	Boh emi an For est							servi ces
A U T 4 6	S e r v i c e s	AU T – Da nub e- Boh emi an For est	Pure living	A regional „ land use control ” facilitates agreements between settlements on a transparent handling of construction projects.	10 0 %	AUT_BC		2 0 3 0	Man aging land use
A U T 4 7	S e r v i c e s	AU T – Da nub e- Boh emi an For est	Pure living	Through kindergartens and adult education centres there will be courses offered about mobility topics for parents.	10 0 %	AUT_BC		2 0 3 0	Mobil ity educ ation
A U T 4 8	S h e l t e r	AU T – Da nub e- Boh emi an For est	Pure Living	energy supply of the region turned towards small-scale and local solutions.	10 0 %	AUT_Vision		2 0 4 0	Local , small - scale ener gy
A U T 4 9	S h e l t e r	AU T – Da nub e-	Pure Living	The energy supply was decentralized and is now entirely based on renewable energy	10 0 %	AUT_Vision		2 0 4 0	Dece ntrali zed, rene wabl

		Bohemian Forest							energy
AUT50	Shelter	AUT – Danube-Bohemian Forest	Pure Living	overall consumption of energy is significantly lower	100%	AUT_Vision	we have to make a guess by how much	2040	Low energy use
AUT51	Shelter	AUT – Danube-Bohemian Forest	Pure Living	remaining use of energy is much more efficient.	100%	AUT_Vision		2040	Eco-efficiency
AUT52	Shelter	AUT – Danube-Bohemian Forest	Pure Living	expansive dependence on centralized power systems was left behind.	100%	AUT_Vision	i.e. no dependency anymore	2040	Decentralized power systems
AUT53	Shelter	AUT – Danube-	Pure Living	the region succeeded in protecting the rural areas from being built up.	100%	AUT_Vision	no new sealing of land	2040	Less urbanization

		Bohemian Forest						
AUT54	Shelter	AUT – Danube-Bohemian Forest	Pure Living	Building activities today have to follow strict ecological rules and to build with recycled materials is a matter of course.	100%	AUT_Vision		2040 Sustainable building
AUT55	Shelter	AUT – Danube-Bohemian Forest	Pure Living	financial public support will be given for the construction of co-housing projects for intergenerational and sustainable living	100%	AUT_BC	the idea is that the share of co-housing increases; majority of new buildings have to follow this concept	2020 Co-housing
AUT56	Shelter	AUT – Danube-Bohemian Forest	Pure Living	change in land use planning is necessary that protects agricultural land preventing it from becoming built-up land.	100%	AUT_BC		2020 Less urbanization
AUT57	Shelter	AUT – Danube-Bohemian Forest	Pure Living	The treatment of land should be regulated in terms of a self-sufficiency of the respective regions.	100%	AUT_BC		2020 Self-sufficiency of land

		Bohemian Forest						
AUT58	Shelter	AUT – Danube-Bohemian Forest	Pure Living	The improved land use allows continually letting land be fallow so the soil can recover .	100%	AUT_BC		2030 Soil recovery
AUT59	Shelter	AUT – Danube-Bohemian Forest	Pure Living	inventory of existing buildings and a needs assessment connected to it.	100%	AUT_BC		2020 Building stock info
AUT60	Shelter	AUT – Danube-Bohemian Forest	Pure Living	handling of building land will be more transparent from now on, so for example it will be possible to check the current and future land-use plans on the internet.	100%	AUT_BC		2030 Land-use plans
AUT61	Shelter	AUT – Danube-	Pure Living	establishment of builder-owner round tables for the exchange and the passing on of experiences will be possible, a flow of information in the interest of the whole region will be started.	100%	AUT_BC		2020 Experience sharing

		Bohemian Forest							
AUT62	Shelter	AUT – Danube-Bohemian Forest	Pure Living	rural sprawl will be stopped by such initiatives and networks, existing sites will be upgraded or modified.	100%	AUT_BC		2030	Stop rural sprawls
AUT63	Shelter	AUT – Danube-Bohemian Forest	Pure Living	The use of rainwater will be compulsory until the year 2030.	100%	AUT_BC		2040	Use rainwater
AUT64	Shelter	AUT – Danube-Bohemian Forest	Pure Living	effective form of heat storage , so it is even possible to use heat in winter that was generated in summer.	100%	AUT_BC		2040	Heat storage
AUT65	Waste	AUT – Danube-	Pure living	Less waste because the concept of sharing is formative for the region	100%	AUT_Vision	maybe also to 25% of current waste	2040	Sharing

	e at m e nt	Boh emi an For est							
A U T 6 6	W a s t e t r e a t m e nt	AU T – Da nub e- Boh emi an For est	Pure living	prohibition of plastic bags or a heavy taxation of those.	10 0 %	AUT_BC		2 0 2 0	No plasti c bags
A U T 6 7	W a s t e t r e a t m e nt	AU T – Da nub e- Boh emi an For est	Pure living	Second-hand buying will drastically increase and all respective subsidising systems will be redesigned in a way that they help to try using a product as long as possible.	10 0 %	AUT_BC		2 0 4 0	Incre ase life of prod uct
A U T 6 8	W a s t e t r e a t m e nt	AU T – Da nub e- Boh emi an For est	Pure living	Waste treatment will be more regulated in the future: produce as little waste as possible, the remaining waste will be heavily taxed .	10 0 %	AUT_BC		2 0 4 0	Imple ment regul ation s
A U T 6 9	G e n e r e	AU T – Da nub e-	Pure living	Accepting the boundaries of (human) life; turn away from the former principle of “growth at all costs”	10 0.0 0 %	AUT_Vision		2 0 4 0	

	r	al	Bohemian Forest						
AUT70	G	eneral	AUT – Danube-Bohemian Forest	Pure living	Focussing on the essential by living a more frugal life	10 0.0 0 %	AUT_Vision		2 0 4 0
AUT71	G	eneral	AUT – Danube-Bohemian Forest	Pure living	Tolerance towards „other cultural influences“	10 0.0 0 %	AUT_Vision		2 0 4 0
AUT72	G	eneral	AUT – Danube-Bohemian Forest	Pure living	The common phrase of „that is not possible“ gets removed from the vocabularies	10 0.0 0 %	AUT_Vision		2 0 4 0
AUT73	G	enerale-	AUT – Danube-	Pure living	The social meaning of labour changed fundamentally	10 0.0 0 %	AUT_Vision	all forms of labour are appreciated	2 0 4 0

	r al	Boh emi an For est							
A U T 7 4	G e n e r al	AU T – Da nub e- Boh emi an For est	Pure living	Nowadays people have a rather different understanding of “working time”, “retirement” and “leisure time”	10 0.0 0 %	AUT_Vision	there is in general more time for what is important to do. The limits between different forms of use of time vanish --> basic income	2 0 4 0	
A U T 7 5	G e n e r al	AU T – Da nub e- Boh emi an For est	Pure living	bigger range of possible paid activities, whereas the necessity of labour decreased	10 0.0 0 %	AUT_Vision	usually not paid work such as caring is meant	2 0 4 0	
A U T 7 6	G e n e r al	AU T – Da nub e- Boh emi an For est	Pure living	Longer periods of intermission allow people to do various other activities (hobbies, community service, traveling etc.) already in between their working years.	10 0.0 0 %	AUT_Vision	see number 7	2 0 4 0	
A U T 7 7	G e n e r al	AU T – Da nub e- Boh emi an For est	Pure living	More sharing of income between family members and other collectives can be noticed	10 0.0 0 %	AUT_Vision		2 0 4 0	

	r al	Bohemian Forest							
AUT78	General	AUT – Danube-Bohemian Forest	Pure living	A basic income is granted to everyone.	100.00%	AUT_Vision		2040	
AUT79	General	AUT – Danube-Bohemian Forest	Pure living	the local economy got a remarkable boost whereas the dependence of the global food industry today is much lower	100.00%	AUT_Vision	dependency gets to a low level, hard to say how much; maybe to 25% of todays import quota	2040	
AUT80	General	AUT – Danube-Bohemian Forest	Pure living	the concept of property got widely adapted.	100.00%	AUT_Vision	property in the current form does not exist anymore; no clear statement how it is tackled is given, except that sharing is standard	2040	
AUT81	General	AUT – Danube-	Pure living	Support for local businesses also helps the region to act more independently from too big and too powerful companies.	100.00%	AUT_Vision	see number 12	2020	

	r al	Boh emi an For est						
A U T 8 2	G e n e r al	AU T – Da nub e- Boh emi an For est	Pure living	tax rewards for companies following ecologic criteria and focus on regional products in their purchasing.	10 0.0 0 %	AUT_BC		2 0 3 0
A U T 8 3	G e n e r al	AU T – Da nub e- Boh emi an For est	Pure living	incidental wage costs will be reduced for all companies which offer solutions for regional challenges	10 0.0 0 %	AUT_BC		2 0 3 0
A U T 8 4	G e n e r al	AU T – Da nub e- Boh emi an For est	Pure living	various forms of care, e.g. in the family, and forms of knowledge transfer will be integrated into the understanding of labour.	10 0.0 0 %	AUT_BC	see number 6	2 0 2 0
A U T 8 5	G e n e r al	AU T – Da nub e- Boh emi an For est	Pure living	machines, resource use and financial transactions will be taxed strongly	10 0.0 0 %	AUT_BC		2 0 3 0

	r al	Bohemi an For est						
AUT 8 6	Ge n e r al	AU T – Da nub e- Boh emi an For est	Pure living	„time account“ that is supposed to facilitate mutual help and doing business outside the monetary system.	10 0.0 0 %	AUT_BC		2 0 3 0
AUT 8 7	Ge n e r al	AU T – Da nub e- Boh emi an For est	Pure living	The business accountiny will include social costs	10 0.0 0 %	AUT_BC		2 0 3 0
AUT 8 8	Ge n e r al	AU T – Da nub e- Boh emi an For est	Pure living	wages are paid to 30% in a regional currency	10 0.0 0 %	AUT_BC		2 0 3 0
AUT 8 9	Ge n e r al	AU T – Da nub e-	Pure living	ecologic rural tourism has become an important economic factor that is supported by all stakeholders in the region.	10 0.0 0 %	AUT_BC	we can say how many hotels, inns.... are already organic, this will grow to nearly 100%	2 0 4 0

	r al	Bohemian Forest						
AUT90	General	AUT – Danube-Bohemian Forest	Pure living	learning in, alongside and of nature.	10 0.0 0 %	AUT_BC	lead to less resource use, we cannot say how much	2 0 2 0
AUT91	General	AUT – Danube-Bohemian Forest	Pure living	support of economic cooperation and especially help collective projects like municipalities, families or companies.	10 0.0 0 %	AUT_BC		2 0 3 0
AUT92	General	AUT – Danube-Bohemian Forest	Pure living	Clubs/associations will be supported if they pledge to act socially and ecologically responsible and if they try to supply themselves regionally.	10 0.0 0 %	AUT_BC		2 0 2 0
AUT93	General	AUT – Danube-	Pure living	Eco-tax	10 0.0 0 %	AUT_BC	taxing resources, energy, kerosene...	2 0 3 0

	r al	Boh emi an For est							
A U T 9 4	G e n e r al	AU T – Da nub e- Boh emi an For est	Pure living	Businesses in the DBW region produce more products that are for at least 70% made of regional raw materials , the same goes for the food industry.	10 0.0 0 %	AUT_BC		2 0 4 0	
N L 1	F o o d	NL - Rot terd am- The Ha gue regi on	Sufficiency & local communities	Food is produced in local gardens.	50 %	non-expert judgement		2 0 4 0	Local food
N L 2	F o o d	NL - Rot terd am- The Ha gue regi on	Sufficiency & local communities	Food consumption is seasonally bounded	80 %	non-expert judgement		2 0 4 0	Seas onal food
N L 3	F o o d	NL - Rot terd am-	Sufficiency & local communities	Meat and exotic products are luxuries.	10 0 %	non-expert judgement	That they are luxuries means that are eaten only twice per month?	2 0 4 0	Low meat cons umpti on

			The Hague region						
NL 4	Food	NL - Rotterdam - The Hague region	Sufficiency & local communities	Food products are also shared within the local community.	50 %	non-expert judgement		2040	Food sharing
NL 5	Food	NL - Rotterdam - The Hague region	Between sufficiency & degrowth	Food is produced primarily locally	50 %	non-expert judgement	Not all food can be produced locally, and a regular supply of food from rural areas is still common.	2040	Local food
NL 6	Food	NL - Rotterdam - The Hague region	Between sufficiency & degrowth	Food is also made by using 3D-printing technologies	25 %	non-expert judgement		2040	3D-printed food
NL 7	Food	NL - Rotterdam -	Between sufficiency & degrowth	Products, services and food are produced locally, and sometimes on a non-commercial basis (for example, help to those in need).	25 %	non-expert judgement		2040	Local and non-commercial

			The Hague region						al food
NL8	Food	NL - Rotterdam - The Hague region	Green growth through innovation and motivated citizens	We eat insects, locally produced proteins, and cultivated products.	75 %	non-expert judgement	2040	Insects and local food	
NL9	Food	NL - Rotterdam - The Hague region	Green growth through innovation and motivated citizens	. Agriculture remains intensive, but takes place at a smaller scale, and in closer proximity to cities, which makes it easier to close loops	100 %	non-expert judgement	2040	Intensive but local agriculture	
NL10	Manufactures	NL - Rotterdam - The Hague region	Sufficiency & local communities	Products have an extended lifetime (compared to the current situation) and are designed in ways that makes them easy to repair	75 %	non-expert judgement	2040	Life extension and repair	
NL11	Manufactures	NL - Rotterdam - The Hague region	Sufficiency & local communities	There is a shift from buying ownership rights to buying services that products provide	90 %	non-expert judgement	2040	Service shift	

	o d u c t s	The Ha gue regi on							
N L 1 2	M a n. P r o d u c t s	NL - Rot terd am- The Ha gue regi on	Between sufficiency & degrowth	There is a Repair Café in every neighbourhood.	10 0 %	Interview		2 0 4 0	Repa ir café s
N L 1 3	M a n. P r o d u c t s	NL - Rot terd am- The Ha gue regi on	Between sufficiency & degrowth	3D-printers are used to create replacement parts	10 0 %	non-expert judgement		2 0 4 0	3D- printi ng spar e parts
N L 1 4	M a n. P r o d u c t s	NL - Rot terd am- The Ha gue regi on	Between sufficiency & degrowth	People live in communes and share services and products within these communes	90 %	non-expert judgement		2 0 4 0	Shar ed use
N L 1 5	M a n. P r	NL - Rot terd am-	Between sufficiency & degrowth	Products, services and food are produced locally, and sometimes on a non-commercial basis (for example, help to those in need).	25 %	non-expert judgement		2 0 4 0	Local prod uctio n

	o d u c t s		The Ha gue regi on						
N L 1 6	M a n. P r o d u c t s	NL - Rot terd am- The Ha gue regi on	Green growth through innovation and motivated citizens	There is a strong emphasis on repairing and reuse of materials.	10 0 %	non-expert judgement		2 0 4 0	Repa ir and reus e
N L 1 7	M o b i l i t y	NL - Rot terd am- The Ha gue regi on	Sufficiency & local communities	We only use electric (and primarily shared) forms of transport.	10 0 %	backcasting report + non-expert judgement		2 0 4 0	Shar ed, electr ic mobil ity
N L 1 8	M o b i l i t y	NL - Rot terd am- The Ha gue regi on	Sufficiency & local communities	There is little commuting	75 %	non-expert judgement	people live close to home, work fewer days a week, and have good possibilities for working from home		Low mobil ity
N L 1 9	M o b i l i t y	NL - Rot terd am-	Sufficiency & local communities	International travelling still exists, but it is a luxury of which people make relatively little use (possibly regulated through quota).	50 %	non-expert judgement	International travel decreased by about 50% from now on.		Less inter natio nal travel

			The Hague region						
NL20	Mobility	NL - Rotterdam-The Hague region	Sufficiency & local communities	Digital travelling is also possible (?)	50 %	non-expert judgement		2040	Digital travelling
NL21	Mobility	NL - Rotterdam-The Hague region	Between sufficiency & degrowth	People travel short distances.	75 %	non-expert judgement	People live close to their workplace.	2040	Short distances
NL22	Mobility	NL - Rotterdam-The Hague region	Between sufficiency & degrowth	The necessity of travelling is limited because (shared) services are concentrated on the neighbourhood level	75 %	non-expert judgement		2040	Local, shared mobility
NL23	Mobility	NL - Rotterdam-	Between sufficiency & degrowth	Smart solutions are required with regard to infrastructure and/or public transport.	100 %	non-expert judgement		2040	Smart solutions

			The Hague region							
NL24	Mobility	NL - Rotterdam - The Hague region	Green growth through innovation and motivated citizens	People only have electrical cars.	100%	non-expert judgement			2040	Electric mobility
NL25	Mobility	NL - Rotterdam - The Hague region	Green growth through innovation and motivated citizens	People primarily make use of public transport and bicycles.	50%	non-expert judgement			2040	Public transport, bicycling
NL26	Mobility	NL - Rotterdam - The Hague region	Green growth through innovation and motivated citizens			non-expert judgement			2040	Alternative transport, car-sharing
NL27	Service	NL - Rotterdam -	Sufficiency & local communities	Shared ownership of goods and services within communities is common	90%	non-expert judgement		Double with products..	2040	Shared services

	e s	The Ha gue regi on							
N L 2 8	S e r v i c e s	NL - Rot terd am- The Ha gue regi on	Between sufficiency & degrowth	People live in communes and share services and products within these communes	90 %	non-expert judgement	Double with products..	2 0 4 0	Shar ed servi ces
N L 2 9	S e r v i c e s	NL - Rot terd am- The Ha gue regi on	Green growth through innovation and motivated citizens	Business models are based on paying for the functions and services that products perform (you no longer pay for a bicycle, but you pay for transport)	90 %	non-expert judgement	Double with products..	2 0 4 0	Servi ce- base d busin ess mod els
N L 3 0	S h e l t e r	NL - Rot terd am- The Ha gue regi on	Sufficiency & local communities	Energy is partly generated locally, and partly through wind parks at sea, and solar parks in sunny areas (at the non-local level).	10 0 %	non-expert judgement		2 0 4 0	Local & rene wabl e ener gy
N L 3 1	S h e l t e r	NL - Rot terd am-	Sufficiency & local communities	We make use of smart grids, energy storage and well-connected networks	10 0 %	backasting report		2 0 4 0	Smar t grids, Ener gy

			The Hague region					storage
NL32	Shelter	NL - Rotterdam - The Hague region	Sufficiency & local communities	There is attention for local (historical) ways of building with usage of materials produced in the region.	75 %	non-expert judgement	2040	Local building
NL33	Shelter	NL - Rotterdam - The Hague region	Between sufficiency & degrowth	People live in smaller houses, and they relocate within the city boundaries often, based on changes in other aspects of their lives.	90 %	non-expert judgement	2040	Small house & relocate
NL34	Shelter	NL - Rotterdam - The Hague region	Between sufficiency & degrowth	Energy is generated locally, for which commercial, as well as local collective arrangements are used.	100 %	backasting report	2040	Local energy
NL35	Shelter	NL - Rotterdam -	Green growth through innovation and motivated citizens	Energy for citizens and small industrial users is generated locally (house as power plant)	100 %	backasting report	2040	Local energy

			The Hague region					
NL36	Shelter	NL - Rotterdam - The Hague region	Green growth through innovation and motivated citizens	We take energy saving measures	100%	non-expert judgement	2040	Energy savings
NL37	Shelter	NL - Rotterdam - The Hague region	Green growth through innovation and motivated citizens	Energy for large industrial users is generated sustainably, with (bio)gas and wind parks at sea.	100%	backasting report	2040	Biogas & wind
NL38	Shelter	NL - Rotterdam - The Hague region	Green growth through innovation and motivated citizens	Buildings also serve as material banks.	75%	expert judgement	2040	Buildings as material banks
NL39	Shelter	NL - Rotterdam - The Hague region	Green growth through innovation and motivated citizens	Houses are suited to every stage of a human's life course.	75%	expert judgement	2040	Houses made for lifeti

			The Hague region						me of human
NL40	Shelter	NL - Rotterdam - The Hague region	Green growth through innovation and motivated citizens	Houses have become energy neutral.	100%	backasting report		2040	Energy neutral house
NL41	Waste treatment	NL - Rotterdam - The Hague region	Green growth through innovation and motivated citizens	Waste does not exist, thanks to, among other things, new business models.	75%	non-expert judgment	Complete reuse, recycling etc. is almost not feasible. Need to look into literature more deeper for an exact source for uptake	2040	New business models
NL42	Generational	NL - Rotterdam - The Hague region	Sufficiency & local communities	The society is locally rooted, but globally connected.	100%	non-expert judgment	What area is still local? Neighborhood?	2040	
NL43	Generational	NL - Rotterdam -	Sufficiency & local communities	Everyone is in charge of his/her own time.	80%	non-expert judgment	Working can also be done for the community	2040	

	r		The Hague region					
NL44	General	NL - Rotterdam-The Hague region	Sufficiency & local communities	There is less consumption and a higher quality of life.	100%	non-expert judgment	Less consumption means sharing products etc.	2040
NL45	General	NL - Rotterdam-The Hague region	Sufficiency & local communities	Companies are less profit-driven and invest revenues back into local communities (social shareholders).	100%	non-expert judgment	All profits go into community development	2040
NL46	General	NL - Rotterdam-The Hague region	Sufficiency & local communities	International trade is slowed down, but local trade is flourishing.	100%	non-expert judgment	Local trade for food, clothing, but still electric devices needed that need to be produced globally	2040
NL47	General	NL - Rotterdam-	Sufficiency & local communities	Status no longer depends on ownership, but on contributions to the community.	100%	non-expert judgment	Almost no ownership	2040

	r al	The Ha gue regi on						
N L 4 8	G e n e r al	NL - Rot terd am- The Ha gue regi on	Between sufficiency & degrowth	A larger share of the population lives in cities	90 %	literature + non-expert judgement	In the NL already most of the people live in cities	2040
N L 4 9	G e n e r al	NL - Rot terd am- The Ha gue regi on	Between sufficiency & degrowth	Advanced knowledge exchange and smart innovations ensure a limited footprint and limited spatial pressures.	10 0 %	non-expert judgment	What is in this case a limited footprint?	2040
N L 5 0	G e n e r al	NL - Rot terd am- The Ha gue regi on	Between sufficiency & degrowth	Cities are as self-sufficient as possible, and problems are solved within the borders of the city as much as possible, although exchanges and interactions between different cities, and between cities and rural areas still exist.	10 0 %	non-expert judgment		2040
N L 5 1	G e n e r al	NL - Rot terd am-	Between sufficiency & degrowth	The production of goods and services is organized at the level of the city and facilities and services are concentrated in a smart way (downscaling of economic activities).	80 %	non-expert judgment	Might not be feasible to produce all goods at the scale of the city.	2040

	r		The Hague region					
NL52	General	NL - Rotterdam - The Hague region	Between sufficiency & degrowth	There is a change of emphasis from the legislative power to the judiciary power in the trias politica, such that the opportunities that individuals have to stand up for their rights increase.	100%	non-expert judgment		2040
NL53	General	NL - Rotterdam - The Hague region	Green growth through innovation and motivated citizens	In product use there is a strong emphasis on repairing and reuse of materials.	100%	non-expert judgment	Strong emphasis eliminating means waste as above mentioned	2040
NL54	General	NL - Rotterdam - The Hague region	Green growth through innovation and motivated citizens	We have a green tax system.	100%	non-expert judgment	Higher taxes on resources instead of labour	2040
NL55	General	NL - Rotterdam - The Hague region	Green growth through innovation and motivated citizens	The increased economic efficiencies create space for other values, in addition to (or instead of) economic values.	90%	non-expert judgment		2040

	r al		The Hague region						
NL56	General	NL - Rotterdam - The Hague region	Green growth through innovation and motivated citizens	Growth is nuanced by the recognition of vulnerabilities of our society and its natural environment, laid down in millennium goals for sustainability.	80 %	non-expert judgment	Uptake rate is for these development goals. And it is assumed that not all of these can be met at the city/country level.		
ITA1	clothing	ITALY	sufficiency & local communities	Clothes are made primarily by natural textiles	80 %	backasting report	primarily = 80 %	2040	Natural textiles
ITA2	Food	ITALY	sufficiency & local communities	Food is produced primarily locally, and the consumption of food is seasonally bounded.	80 %	backasting report	primarily = 80 %	2040	Local, seasonal food
ITA3	Food	ITALY	Green Growth	consume 0-km food in schools	100 %	expert judgement		2040	Local food
ITA4	Food	ITALY	Green Growth	consume organic food in schools	100 %	expert judgement		2040	Organic food
ITA5	Food	ITALY	sufficiency	save and protect endangered seeds	100 %	expert judgement		2040	Save endangered seeds

I T A 6	M a n. P r o d u c t s	ITA LY	sufficiency & local communities	There is a stronger emphasis sharing, repairing and upgrading products.		70 %	interview	info from repair cafes	2 0 4 0	Shar ed use, repa ir
I T A 7	M o b i l i t y	ITA LY	sufficiency & local communities	the most important change is that transport has become fully electric and clean.		10 0 %	backasting report	2040		Elect ric mobil ity
I T A 8	M o b i l i t y	ITA LY	Green Growth	buy electric vehicles		50 %	expert judgement	2040		Elect ric vehic les
I T A 9	M o b i l i t y	ITA LY	Green Growth	use bike lanes (buy bikes)		50 %	expert judgement	2040		Bike use
I T A 10	S e r v i c e s	ITA LY	sufficiency & local communities		2040	Product to service shift				
I T A 11	S h e l t e r	ITA LY	Green growth through innovation	Large scale (industrial) users of energy rely primarily on wind parks at sea, and (bio)gas plants, combined with Carbon Capture and Storage systems.		80 %	backasting report	primarily = 80%	2 0 4 0	Wind , bioga s, CCS
I T A	S h e l	ITA LY	Green growth through innovation	energy production takes place much closer to home (e.g., everybody has green roofs and solar panels).		10 0 %	backasting report	everybody = 100%		Local ener gy

12	ter								
ITA13	Shelter	ITALY	Green Growth	install photovoltaic roofs	100%	expert judgement	(100% on new buildings, 50% on existing buildings)	2040	PV roofs
ITA14	Waste treatment	ITALY	sufficiency & local communities	There is no such thing as wastes.	100%	backasting report	100% recycling rate	2040	Full recycling
ITA15	Waste treatment	ITALY	Green Growth	zero waste	50%	expert judgement	50% of municipalities implementing a zero-waste program	2040	Zero waste
ITA16	General	ITALY	sufficiency & local communities	We work fewer days a week and we invest time in our local community.	100%	non-expert judgment	fewer = 3 days a week	2040	
ITA17	General	ITALY	green growth	increase time spent in contact with green spaces	50%	expert judgement		2040	

I T A 1 8	General	ITALY	sufficiency	decrease working hours	100%	expert judgement	8 hours x 4 days week or 6 hours X 5 days a week	2040	
I T A 1 9	General	ITALY	sufficiency	implement smart working programs	50%	expert judgement	reduce motorized transport and iprove work-life time balance	2040	
I T A 2 0	General	ITALY	sufficiency	no new buildings in the urban metropolitan area	100%	expert judgement		2040	
G E R 1	Food	GER - Transition Town Hall e	Mobility – Traffic – Energy Sources	Food production is efficient (no overproduction).	100%	GER_Vision_1		2040	Low waste in food production
G E R 2	Food	GER - Transition Town Hall e	Mobility – Traffic – Energy Sources	The urban centres are self-supplying units. These are supplied with food by smaller farming units (“Hofläden” = farm shops, crop plants replace ornamental plants, creation of an “agriculture belt”).	100%	GER_Vision_1		2040	Self-sufficiency, small-scale farming
G E R 3	Food	GER - Transition	Mobility – Traffic – Energy Sources	To go one step further with the idea of self-supplying, the urban centres’ ornamental plants are not used in cities any more, but crop plants instead.	100%	GER_Vision_1		2040	Crop instead of orna

			on To wn Hall e						ment al plant s
G E R 4	F o o d	GE R - Tra nsiti on To wn Hall e	Mobility – Traffic – Energy Sources	Space that is currently used for parking spaces, houses, shopping centres will be unsealed and reutilised, e.g. for agriculture or farm shops. That way, the principles of sufficiency, efficiency and consistency are brought together – food production will be local, seasonal and efficient (“to grow only as much as is needed”), the amount of traffic will decline drastically (since people won’t be forced to travel long ways to buy their food) and resource circles will be closed on a local level as well	10 0	GER_Vision_1		2 0 4 0	Local , urba n food prod uctio n
G E R 5	M o b i l i t y	GE R - Tra nsiti on To wn Hall e	Mobility – Traffic – Energy Sources	Organisation of cities in urban centres, which allow short distances in any matter (passenger transport, delivery routes etc.)	10 0 %	GER_Vision_1	2040		Short dista nces
G E R 6	M o b i l i t y	GE R - Tra nsiti on To wn Hall e	Mobility – Traffic – Energy Sources	Mobility is a shared property (“using instead of owning”, park and ride, public repair places).	80 %	GER_Vision_1	2040		Shar ed mobil ity
G E R 7	M o b i l i t y	GE R - Tra nsiti on	Mobility – Traffic – Energy Sources	Means of transport have become fully reliant on renewable energy sources and are aimed to be fully electric, and therefore clean. For instance solar bicycle path were mentioned	10 0 %	GER_Vision_1	2040		Elect ric mobil ity

			Town Hall e						
GER 8	Mobility	GER - Transition Town Hall e	Mobility – Traffic – Energy Sources	Mobility and traffic are limited to commuting from and to work	100%	GER_Vision_1		2040	Less mobility
GER 9	Mobility	GER - Transition Town Hall e	Mobility – Traffic – Energy Sources	keep up the "the polluter-pays"-principle, redesign parking lots, create more parking spaces for bicycles, incl. secure boxes in residential areas, the city centre and the central station, restrict parking space for cars, road maintenance on cycle paths, priority switching of traffic lights in favour of bicycles, develop/reconstruct the city in favour of pedestrians' needs	100%	2nd German Backcasting Report		2020	Biking and walking
GER 10	Mobility	GER - Transition Town Hall e	Mobility – Traffic – Energy Sources	adjusting traffic regulations, extending no-stopping zones, adjusting federal traffic law in some cases, equal budgets for different transport modes, stricter environmental zones	100%	2nd German Backcasting Report		2030	Reorganizing mobility
GER 11	Mobility	GER - Transition Town Hall e	Mobility – Traffic – Energy Sources	increase parking fees	100%	2nd German Backcasting Report		2040	High parking fees

GER 12	Mobility	GER - Transition Town Hall e	Mobility – Traffic – Energy Sources	entrepreneurs from the private sector create parking spaces and boxes for bicycles	100%	2nd German Backcasting Report	2020	Bike use
GER 13	Mobility	GER - Transition Town Hall e	Mobility – Traffic – Energy Sources	specific innovations leading to a fossil-free infrastructure and public transport	100%	2nd German Backcasting Report	2030	Renewable mobility
GER 14	Mobility	GER - Transition Town Hall e	Mobility – Traffic – Energy Sources	modular adjustable public transport e.g. change to smaller trams at night, innovations and investments facilitate overall fossil-free transportation	100%	2nd German Backcasting Report	2040	Renewable mobility
GER 15	Mobility	GER - Transition Town Hall e	Mobility – Traffic – Energy Sources	Any source of energy needed for mobility is from a renewable source of energy	100%	GER_Vision_1	2040	Renewable mobility
GER	Mobility	GER - Transition	Mobility – Traffic – Energy Sources	transport is mostly shared or public transport, and, taking the landscape into consideration, mostly carried out via bikes	80%	GER_Vision_1	2040	Biking and publi

16	lit y	on To wn Hall e							c trans port
GER17	M o b i l i t y	GE R - Tra n s i t i o n To wn Hall e	Mobility – Traffic – Energy Sources	a “mobility card”, which is a combined tool of payment for every mean of transport, is available to everyone	80 %	GER_Vision_1		2040	Pay ment soluti ons
GER18	M o b i l i t y	GE R - Tra n s i t i o n To wn Hall e	Mobility – Traffic – Energy Sources	Bike repair workshops are open to everyone as well	70 %	GER_Vision_1		2040	Bike repai ring
GER19	M o b i l i t y	GE R - Tra n s i t i o n To wn Hall e	Mobility – Traffic – Energy Sources	Although this wasn’t directly addressed, it was a shared understanding that people would try to avoid long-distance trips, since working on and improving their local urban centre should be one of the focus points in life	70 %	GER_Vision_1		2040	Less mobil ity
GER20	M o b i l i t y	GE R - Tra n s i t i o n To wn	Mobility – Traffic – Energy Sources	Individualistic mobility is reduced to a minimum, except all kinds of mobility powered by “human energy” (i.e. walking and cycling)	80 %	GER_Vision_1		2040	Bikin g and walki ng

			Hall e						
GER 21	Mobility	GER - Transition Town Hall e	Networks- Participation	Streets will look different – parking spaces will be reutilised, there will be more green areas and less cars	100	GER_Vision_2	2040		Street reorganization
GER 22	Services	GER - Transition Town Hall e	Mobility – Traffic – Energy Sources	Recreation and health is important (well-being) and is strongly supported by areas in the city	80%	GER_Vision_1	assuming more recreational facilities across town (e.g. parks, playgrounds, pieces of sports equipment, bbq areas, swimming pools, etc.), but not assuming that everyone will pick this up (thus 80% instead of 100%)	2040	Recreation & health
GER 23	Services	GER - Transition Town Hall e	Mobility – Traffic – Energy Sources	Urban centres also function as local meeting points to ensure a conscious and fulfilling social life	100%	GER_Vision_1		2040	Local meeting points
GER 24	Services	GER - Transition Town Hall e	Networks- Participation	In order to support a high level of transparency free Wi-Fi-access is available	100	GER_Vision_2		2040	Free Wi-Fi

GER 25	Servises	GER - Transition Town Hall e	Networks-Participation	Alternative and regional banks administer the money and 50% of the taxes stay in the municipality	50	GER_Vision_2	2040	Local tax
GER 26	Servises	GER - Transition Town Hall e	Networks-Participation	it is planned to host fun activities and parties as well that further promote a shared space and the idea of a self-supplying, sustainable and social society. In accordance with that idea of taking the weight off of these actions, "official" structures (governing processes and management) will be mixed with "inofficial" ones, such as shared living rooms in each block or similar places that will enable people to get in touch in a more casual way.	50	GER_Vision_2	2040	Mix official with unofficial structures
GER 27	Servises	GER - Transition Town Hall e	Networks-Participation	It was proposed to have huge screens across the city on which public viewing of governmental meetings is made possible. It was discussed whether professionals (well-paid and independent) should filter and reduce the relevant information and thus, would simplify the data-flow. The power for these public viewing areas is created by sustainable energy sources, i.e. using the technique of a pedal-powered cinema.	100	GER_Vision_2	2040	Screens with governmental meetings
GER 28	Shelter	GER - Transition Town Hall e	Mobility – Traffic – Energy Sources	Available space is to be unsealed and reutilised	100%	GER_Vision_1	2040	Utilize available space

GER 29	Shelter	GER - Transition Town Hall e	Networks- Participation			Locally embedded eco-efficiency		
GER 30	Waste treatment	GER - Transition Town Hall e	Mobility – Traffic – Energy Sources	there is no waste but only products, which can be recycled, reused, repaired and so forth	100%	GER_Vision_1	2040	No waste
GER 31	General	GER - Transition Town Hall e	Mobility – Traffic – Energy Sources	Circular economy on a local level	100%	GER_Vision_1	2040	
GER 32	General	GER - Transition Town Hall e	Mobility – Traffic – Energy Sources	(Food) supply is supported by local and small companies	100%	GER_Vision_1	2040	
GER	General	GER - Transition	Mobility – Traffic –	Decentralisation (many urban centres within a city); The urban centres are self-supplying units. These are supplied with food	100%	GER_Vision_1	20	

33	General	Transition Town Hall	Energy Sources	by smaller farming units ("Hofläden" = farm shops, crop plants replace ornamental plants, creation of an "agriculture belt").			40	
GER34	General	GER - Transition Town Hall	Mobility – Traffic – Energy Sources	today's usage of spaces in the city (parking lots, shopping centres and so forth) is changed to a more health-supporting and eco-friendly usage	100%	GER_Vision_1	2040	
GER35	General	GER - Transition Town Hall	Mobility – Traffic – Energy Sources	Sufficiency is a cornerstone, but is complemented by efficiency (i.e. the same outcome but with less use of resources) and consistency (i.e. there is no waste but only products, which can be recycled, reused, repaired and so forth)	100%	GER_Vision_1	2040	
GER36	General	GER - Transition Town Hall	Mobility – Traffic – Energy Sources	"Using instead of owning" is a key phrase here (2000-Watt society)	100%	GER_Vision_1	2040	
GER37	General	GER - Transition Town	Networks - Participation	Materialism is not a main driver anymore	100%	GER_Vision_2	2040	

		Hall e						
GER 38	General	GER - Transition Town Hall e	Networks - Participation	daily life takes place in smaller units (i.e. a “block” of 500 people or a neighbourhood)	100%	GER_Vision_2	2040	
GER 39	General	GER - Transition Town Hall e	Networks - Participation	Economy and finance are locally connected to the society and carried out in a socially responsible manner	100%	GER_Vision_2	2040	
GER 40	General	GER - Transition Town Hall e	Networks - Participation	Money as a currency is changed into “time points” as the new currency	100%	GER_Vision_2	2040	
GER 41	General	GER - Transition Town Hall e	Networks - Participation	There is a strong emphasis on sharing of skills and working hours	100%	GER_Vision_2	2040	

GER 4 2	General	GER - Transition Town Hall e	Networks - Participation	Citizens do have strong social and sustainable objectives (constantly transforming to reach these goals is the norm)	100%	GER_Vision_2	2040	
GER 4 3	General	GER - Transition Town Hall e	Networks - Participation	energy is self-produced and renewable	100%	GER_Vision_2	2040	
GER 4 4	General	GER - Transition Town Hall e	Networks - Participation	Large enterprises are not part of this future society	100%	GER_Vision_2	2040	
GER 4 5	General	GER - Transition Town Hall e	Networks - Participation	To enforce the idea that a city (or district) is once again owned and shared by its inhabitants, it was proposed to give responsibilities for designing and shaping the community into citizen's hands. To improve the landscape, the concept of some kind of "godparenthood" for plants was proposed. This goes hand in hand with the usage of public spaces for urban gardening . (...) It will be natural to take care of one's own neighbourhood. Streets will look different – parking spaces will be reutilised, there will be more green areas and less cars.	100%	GER_Vision_2	2040	

G E R 4 6	General	GER - Transition Town Hall	Networks - Participation	altered educational system (learning about the environment fostering creativity, cross-generational communication in between people)	100%	2nd German Backcasting Report	2030	
R O 1	Food	RO - Banat-Timis region	Green Growth	providing facilities for organic food growth	100%	backcasting report + non-expert judgment	2040	Organic food
R O 2	Food	RO - Banat-Timis region	Sufficiency	the village will have a shared kitchen; people can have group meals there with neighbours, friends, family etc. or can cook and eat at home, whichever they prefer	60%	backcasting report + non-expert judgment	2040	Shared kitchen/meals
R O 3	Food	RO - Banat-Timis region	Sufficiency	gardens surrounding each house, for growing vegetables, flowers and meditation; people will have a lot of time they can invest in growing their own food, or volunteering in the community gardens/greenhouses; also, people can volunteer to help others with their gardening	100%	backcasting report + non-expert judgment	2040	Gardens, own food production
R O 4	Food	RO - Banat-Timis	Sufficiency	Growing cereals, for consumption in the community, and or trade as well	100%	backcasting report + non-expert judgment	2040	Local food

		region						
R O 5	F o o d	RO - Ban at- Tim is region	Sufficiency	Solar-powered greenhouses	10 0 %	backcasting report + non-expert judgment	2 0 4 0	Solar power
R O 6	M a n. P r o d u c t s	RO - Ban at- Tim is region	Green Growth	creating centres for repairing and upgrading various pieces of equipment, appliances	70 %	backcasting report + non-expert judgment	2 0 4 0	Repa ir prod ucts
R O 7	M a n. P r o d u c t s	RO - Ban at- Tim is region	Green Growth	assimilating products with ecological certification into the mainstream market, increasing their cost effectiveness	10 0 %	backcasting report + non-expert judgment	2 0 4 0	Ecol ogica l certifi cations
R O 8	M a n. P r o d u c t s	RO - Ban at- Tim is region	Sufficiency	people will engage in various forms of gift economy and sharing habits – building things for use in the community (e.g. agricultural tools), share their skills and knowledge by teaching others or starting projects	80 %	backcasting report + non-expert judgment	2 0 4 0	Gift econ omy, shari ng

R O 9	M o b i l i t y	RO - Ban at- Tim is regi on	Green Growth	More bike lanes than roads for cars	10 0 %	backcasting report + non- expert judgment	2040		Bike use
R O 1 0	M o b i l i t y	RO - Ban at- Tim is regi on	Sufficiency	the village will be connected to a road, but there is little to no actual car use within the village; people will get around by foot or by bicycle; the road will be mainly used by commuters, travellers passing through the village, and the daily school bus	60 %	backcasting report + non- expert judgment	2040		Bikin g and walki ng
R O 1 1	S e r v i c e s	RO - Ban at- Tim is regi on	Green Growth	designing an educational program focused on continual learning starting with kindergarten and going all the way to university studies and beyond	10 0 %	backcasting report + non-expert judgment		2 0 4 0	Conti nual educ ation
R O 1 2	S e r v i c e s	RO - Ban at- Tim is regi on	Green Growth	integrating church as a means for supporting education	70 %	backcasting report + non-expert judgment		2 0 4 0	Chur ch to supp ort educ ation
R O 1 3	S e r v i c e s	RO - Ban at- Tim is regi on	Green Growth	adopting sustainable business models	10 0 %	backcasting report + non-expert judgment		2 0 4 0	Sust ainab le busin ess mod els

R O 1 4	S e r v i c e s	RO - Ban at- Tim is regi on	Sufficiency	all the children in the village will study at a single kindergarten; their parents will fill in as teachers, by rotation	40 %	backcasting report + non-expert judgment	2 0 4 0	Local kinde rgart ens
R O 1 5	S e r v i c e s	RO - Ban at- Tim is regi on	Sufficiency	for higher education levels, pupils will have to commute, or after a certain age, move to another city to study;	50 %	backcasting report + non-expert judgment	2 0 4 0	Com mutin g for high educ ation
R O 1 6	S e r v i c e s	RO - Ban at- Tim is regi on	Sufficiency	kitchen is staffed by volunteers from community, but anybody can help out;	10 0 %	backcasting report + non-expert judgment	2 0 4 0	-
R O 1 7	S e r v i c e s	RO - Ban at- Tim is regi on	Sufficiency	Community hospital, providing both allopathic and homeopathic care	10 0 %	backcasting report + non-expert judgment	2 0 4 0	Com munit y hospi tal
R O 1 8	S e r v i c e s	RO - Ban at- Tim is regi on	Sufficiency	services and facilities within communities will be mostly staffed and operated by volunteering residents, by rotation – e.g. parents will fill in as teachers at the kindergarten, people can volunteer for work at the community kitchen or in the community gardens or as volunteer nurses at the community hospital, etc	30 %	backcasting report + non-expert judgment	2 0 4 0	Volu nteer - base d servi ces

R O 1 9	S e r v i c e s	RO - Ban at- Tim is regi on	Sufficiency	ensuring high-quality Internet and IT services, integrating innovative technologies into community services	10 0 %	backcasting report + non-expert judgment	2 0 4 0	IT- servi ces
R O 2 0	S e r v i c e s	RO - Ban at- Tim is regi on	Sufficiency	introducing environmentally friendly farming equipment and technologies for streamlining activities in the community	10 0 %	backcasting report + non-expert judgment	2 0 4 0	Strea mline activi ties
R O 2 1	S e r v i c e s	RO - Ban at- Tim is regi on	Sufficiency	creating educational and administrative institutions that can train experts in domains of interest for the community	10 0 %	backcasting report + non-expert judgment	2 0 4 0	New educ ation al insti tution s
R O 2 2	S h e l t e r	RO - Ban at- Tim is regi on	Green Growth	Co-housing and shared living spaces and appliances – e.g. people will use shared washing machines, thus reducing energy use and water consumption	70 %	backcasting report + non-expert judgment	2 0 4 0	Co- housi ng
R O 2 3	S h e l t e r	RO - Ban at- Tim is regi on	Green Growth	Solar panels, wind power used for renewable energy in every home;	10 0 %	backcasting report + non-expert judgment	2 0 4 0	Local , rene wabl e ener gy

R O 2 4	S h e l t e r	RO - Ban at- Tim is regi on	Green Growth	Living quarters are surrounded by areas for growing vegetables and other food	10 0 %	backcasting report + non-expert judgment	2 0 4 0	Local food prod uctio n
R O 2 5	S h e l t e r	RO - Ban at- Tim is regi on	Sufficiency	there will be many co-housing buildings where several families will live together and share various goods and facilities; at the same time, there will also be individual land plots with single houses for people/families who prefer a more private life	10 0 %	backcasting report + non-expert judgment	2 0 4 0	Co- housi ng & privat e
R O 2 6	S h e l t e r	RO - Ban at- Tim is regi on	Sufficiency	Shared storing spaces	10 0 %	backcasting report + non-expert judgment	2 0 4 0	Shar e storin g spac e
R O 2 7	W a s t e t r e at m e nt	RO - Ban at- Tim is regi on	Green Growth	Recycling will be adopted on a large scale; the environment will be cleaner	10 0 %	backcasting report + non-expert judgment	2 0 4 0	Recy cling
R O 2 8	W a s t e t r e	RO - Ban at- Tim is	Green Growth	upscaling clean “green” technologies, introducing advanced recycling technology	10 0 %	backcasting report + non-expert judgment	2 0 4 0	Adva nced recyc ling

	at m e n t	regi o n						
R O 2 9	G e n e r a l	RO - Ban at- Tim is regi o n	Green Growth	improved technology will increase efficiency at work, reducing time spent at work	10 0 %	backcasting report + non- expert judgment	reduced work schedules: between 3-5 hours per day	2040
R O 3 0	G e n e r a l	RO - Ban at- Tim is regi o n	Green Growth	with more free time to spare, people will spend most of their days with their families or pursuing various hobbies, leisure activities or personal enterprises	10 0 %	backcasting report + non-expert judgment		2040
R O 3 1	G e n e r a l	RO - Ban at- Tim is regi o n	Green Growth	we will have access to various ways of spending our free time in harmony with Nature; people will spend a significant amount of their time in nature – tending to their gardens, hiking/taking walks, meditating in nature, etc.	10 0 %	backcasting report + non-expert judgment		2040
R O 3 2	G e n e r a l	RO - Ban at- Tim is regi o n	Green Growth	environments with adequate ambiance will be created for spending leisure time;	10 0 %	backcasting report + non-expert judgment		2040
R O 3 3	G e n e r a l	RO - Ban at-	Green Growth	adopting European strategies: circular economy; Roadmap 2050; Europe 2020; The 2030 Agenda for Sustainable Development	10 0 %	backcasting report + non-expert judgment		2040

	r al	Tim is regi on					
R O 3 4	G e n e r al	RO - Ban at- Tim is regi on	Green Growth	implementing a stable, clear and concise policy package and correlating it with sustainable development strategies and European legislations	10 0 %	backcasting report + non-expert judgment	2040
R O 3 5	G e n e r al	RO - Ban at- Tim is regi on	Green Growth	financing research and innovation in sustainability	10 0 %	backcasting report + non-expert judgment	2040
R O 3 6	G e n e r al	RO - Ban at- Tim is regi on	Green Growth	applying legislative measures; applying harsh fines and coercive measures for those who don't observe recycling procedures	10 0 %	backcasting report + non-expert judgment	2040
R O 3 7	G e n e r al	RO - Ban at- Tim is regi on	Green Growth	solving problems by redistributing resources / reducing inequality, reducing poverty	10 0 %	backcasting report + non-expert judgment	2040
R O 3 8	G e n e r al	RO - Ban at-	Green Growth	creating / supporting networks and clusters for innovation in sustainability	10 0 %	backcasting report + non-expert judgment	2040

	r al	Tim is regi on					
R O 3 9	G e n e r al	RO - Ban at- Tim is regi on	Sufficiency	decentralized, participatory decision-making system	70 %	backcasting report + non-expert judgment	2040
R O 4 0	G e n e r al	RO - Ban at- Tim is regi on	Sufficiency	reduced time spent in formal professional roles – people will mostly work part-time jobs, or otherwise work as freelancers or be self-employed; rest of work will be done by rotation, as volunteers for the various duties in the community (e.g. volunteering in schools, gardens, community kitchen, administration etc.)	10 0 %	backcasting report + non-expert judgment	2040
R O 4 1	G e n e r al	RO - Ban at- Tim is regi on	Sufficiency	there are no ‘institutions’ – the community is a self-governing direct democracy	30 %	backcasting report + non-expert judgment	2040

A1.2 GLAMURS Case Studies

Table 2. Lifestyle implications of GLAMURS case studies (GLAMURS 2017). In parenthesis implications not directly possible to translate into EXIOBASE.

Construct ion	Shelter	Food	Clothing	Mobility	Manufactu red products	Services	Uncategori zed
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1. UK: Work smart		Improved housing efficiency.			Work from home, public transportation to work.	Improved speed of rural broadband		Smarter working (commuting time and work-life balance),
2. D: Transition town Halle					Local food production	Reuse and do-it-yourself. Awareness of sustainability.		Organic agriculture
3. A: BioRegion Mühlviertel			Organic agriculture					
4. A: Climate-energy model region	Ecological construction, use of renewable raw materials	Energy savings through education. Renewable raw materials for heating. Decentralized energy production through photovoltaics.			Strengthened awareness leads to changes in how to organize transport. Local heating			Networking and communication about CO2 reducing initiatives. Development of energetic use of renewable raw materials
5. RUM: Stanciova Ecovillage	Green materials and technologies	Minimize energy use in homes.	Vegetarian or vegan diet. Grow own food.	Do-it-yourself	Car-pooling, car-sharing, commuting	Self-sustainability, make own soap and cosmetics		Gift economy, permaculture, downshifting

6. RUM: CRIES/A SAT			Organic food.		Locally grown food			Fair-trade, social co-responsibility
7. RUM: Aurora	Community building approaches, rehabilitating old buildings		Self-sufficiency of food (now 40-50%), working the community gardens and crops			Self-sustainability		Permaculture, downshifting, deep ecology. Explicit spiritual dimension.
8. E: A Xoaniña & Zocamiño ca		Recycling: company that makes it available for reuse	Organic farming		Local production/consumption.	Purchase with ecological and social responsibility,	Green jobs	
9. E: Amarante				Reduced consumption of textiles		Fair trade, responsible consumption		sustainable development in production of raw materials
10. I: Co.r.ag.gi o			Public farms, healthy food consumption, agricultural awareness, organic farming		Increase of walking and biking, decrease in CO2 emissions for transporting food		Environmental and agricultural education. Public farms provide services. Use of outdoor	Active use of local outdoor public spaces

							public spaces.	
11. NL: Vogelwijk Energie(k)	Collective refurbishment of houses.	Renewable energy cooperatives, buying of smart meters. Energy, gas (30%), electricity (20%) reduction. Collective buying of PV panels and thermal solar heaters			Car sharing with electric car. Electric, hybrid, and hydrogen vehicles.	Grey water systems		
12. NL: Repair Cafés		Waste prevention and recycling.				Increased awareness of reparability of products. Increased product lifetime. Reduced consumption of new products.		

A1.3 Carbon-CAP

Table 3. Suggested interventions from the Carbon-CAP project (Schanes et al. 2015)

#	Impact on supply side	Category	Intervention
1	Demand reduction (11)	Food	Reduce over-purchasing and avoidable food waste
2	Demand reduction (11)	Food	Eat no more than needed to maintain a healthy body
3	Demand reduction (11)	Food	Reduce consumption of dairy products (milk, cheese)
4	Demand reduction (11)	Food	Consume fewer foods with low nutritional value e.g. alcohol, tea, coffee, chocolate
5	Production (3)	Food	Choice of lower carbon intensive alternative within the same product group e.g. Changing from GHG-intensive meats (ruminants) to less intensive meats (pork and poultry)
6	Production (3)	Food	Choose retort carton packaging instead of steel-cans
7	Transportation and distribution (2, 4, 6)	Food	Consumption of regional food
8	Transportation and distribution (2, 4, 6)	Food	Switching transport from air-freighting to shipping and rail
9	Processing and Packaging (5)	Food	Buy food that uses lighter packaging or no packaging (or biopackaging)
10	Use phase (8, 9)	Food	Shift from meat towards lower-carbon food product categories (vegetarian, vegan or flexi (low meat) diet)
11	Use phase (8, 9)	Food	Shift to more regional and seasonal food (reduce consumption of hot-housing vegetables)
12	Disposal (9)	Food	People share left over/ food surplus via online food communities or give it to charity
13	Disposal (9)	Food	Manage unavoidable food waste properly (use for animal feed, as fertilizer, compost, or to recover energy from anaerobic digestion)
14	Disposal (9)	Food	Recycle packaging
15	Disposal (9)	Food	Recycling steel-cans
16	Demand reduction (11)	Transport	Reduce number of cars per household

1 7	Production (3)	Transport	Buy a smaller car
1 8	Production (3)	Transport	Use less fuel by driving a smaller car
1 9	Production (3)	Transport	Buy a lighter car (lighter materials might be more carbon intensive or not so durable)
2 0	Production (3)	Transport	Buy car with recycled material content
2 1	Use phase (8, 9)	Transport	Buying and using an electric/plug-in hybrid car
2 2	Use phase (8, 9)	Transport	Fuel cell vehicles
2 3	Use phase (8, 9)	Transport	Catalytic converters
2 4	Use phase (8, 9)	Transport	Direct fuel injection systems
2 5	Use phase (8, 9)	Transport	Diesel instead of gasoline engines
2 6	Use phase (8, 9)	Transport	Fuel efficient driving style
2 7	Use phase (8, 9)	Transport	Car sharing
2 8	Use phase (8, 9)	Transport	Car pooling
2 9	Use phase (8, 9)	Transport	Choosing a location with job close to home
3 0	Use phase (8, 9)	Transport	Shift to public transport, cycling or walking
3 1	Use phase (8, 9)	Transport	Car pooling, car sharing and trip chaining
3 2	Use phase (8, 9)	Transport	Park & ride systems
3 3	Disposal (9)	Transport	Extending the life time of the car

3 4	Demand reduction (11)	Building	Reduction of living space p.c.
3 5	Production (3)	Building	Use timber-frame constructions instead of concrete or steel framed constructions
3 6	Production (3)	Building	Use hybrid construction (timber and steel)
3 7	Production (3)	Building	Timber floors and floor systems in houses and other
3 8	Production (3)	Building	buildings
3 9	Production (3)	Building	teleworking
4 0	Production (3)	Building	Use renewable building materials, e.g. wood, straw bale, hemp, clay
4 1	Production (3)	Building	Use construction material with recycled content (aluminium, stainless steel)
4 2	Production (3)	Building	Use carbon lighter construction materials e.g. breeze concrete, sand lime, cored brick, reinforced concrete.
4 3	Production (3)	Building	Wood windows instead of aluminum windows
4 4	Production (3)	Building	(Use wood that is certified in accordance with the Forestry Stewardship Council's Principles and criteria)??
4 5	Transportation and distribution (2, 4, 6)	Building	Use building materials that are extracted and/or manufactured within the region
4 6	Use phase (8, 9)	Building	Thermal insulation of houses (new sealing to reduce ventilation, additional façade insulation, additional roof insulation, replacement of windows)
4 7	Use phase (8, 9)	Building	Facade and roof greening
4 8	Use phase (8, 9)	Building	Zero-emission houses/passive houses
4 9	Use phase (8, 9)	Building	Buy energy efficient electrical and household appliances
5 0	Use phase (8, 9)	Building	Turn off devices instead of using standby

5 1	Use phase (8, 9)	Building	Shift to renewable energy / electricity
5 2	Use phase (8, 9)	Building	Reduction of room temperature by 2°C
5 3	Use phase (8, 9)	Building	Efficient use of cement/concrete
5 4	Use phase (8, 9)	Building	Change designation from vacant commercial buildings to residential buildings
5 5	Use phase (8, 9)	Building	Co- Housing (shared spaces)
5 6	Disposal (9)	Building	Major refurbishment and renovation of residential and commercial buildings
5 7	Disposal (9)	Building	Household small scale refurbishment and renovation of residential buildings
5 8	Disposal (9)	Building	Recycle construction waste properly
5 9	Use phase (8, 9)	Machinery and Equipment	Sharing: tools, washing machines, lawnmower
6 0	Disposal (9)	Machinery and Equipment	Repair machines
6 1	Demand reduction (11)	Electronic goods	Reduce rate of acquisition of new TVs and PCs
6 2	Production (3)	Electronic goods	Buy smaller and lighter Laptops instead of desktop with LCD monitor
6 3	Use phase (8, 9)	Electronic goods	Buy more efficient ICT equipment (devices and infrastructure)
6 4	Use phase (8, 9)	Electronic goods	Share, rent and lease of ICT equipment (options to replace the sale)
6 5	Use phase (8, 9)	Electronic goods	Cloud computing- server-based computing in combination with thin clients (SBCTC) instead of a typical desktop PC
6 6	Disposal (9)	Electronic goods	Buy more long lasting equipment (repairable) -Fair phone

6 7	Disposal (9)	Electronic goods	PC's: The memory is readily accessible and can be changed or upgraded.
6 8	Disposal (9)	Electronic goods	The hard disk (or parts that perform functions of hard disk), and if available the CD drive and/or DVD drive, can be changed.
6 9	Disposal (9)	Electronic goods	Recycle ICT waste
7 0	Disposal (9)	Electronic goods	Use retailer take-back programs
7 1	Production (3)	Textiles	Buy textiles made of cotton, wool or silk instead of acrylic, polypropylene, PA6, polyester.
7 2	Production (3)	Textiles	Purchase textiles that contain recycled fibres
7 3	Use phase (8, 9)	Textiles	Use energy efficient washing machines, tumble dryers and irons
7 4	Use phase (8, 9)	Textiles	Reduce number of washes through
7 5	Use phase (8, 9)	Textiles	better loading of the appliances
7 6	Use phase (8, 9)	Textiles	Avoid or reduce tumble drying frequency
7 7	Use phase (8, 9)	Textiles	Wash at lower temperatures
7 8	Disposal (9)	Textiles	Buy more durable garments and textiles with high yarn quality to increase lifetime
7 9	Disposal (9)	Textiles	Extend the life of clothing and textiles through repairs
8 0	Disposal (9)	Textiles	Reuse textiles for a different purpose
8 1	Disposal (9)	Textiles	Donate clothes to charity
8 2	Disposal (9)	Textiles	Drop off unwanted clothes into recycling bins at stores
8 3	Production (3)	Furniture	Buy furniture produced with low CO2 emissions (Ecolabel)

8 4	Production (3)	Furniture	Buy naturally treated timber furniture
8 5	Production (3)	Furniture	Buy furniture that contains a high amount of recycled materials (metals, aluminum, steel) and recyclable products
8 6	Transportation and distribution (2, 4, 6)	Furniture	Buy furniture made within the region/EU
8 7	Processing and Packaging (5)	Furniture	Ensure recyclability and separability of packaging materials and the use of packaging materials based on renewable raw materials
8 8	Disposal (9)	Furniture	Buy products where replacement of furniture parts is provided for a minimum number of years
8 9	Disposal (9)	Furniture	Reuse/redesign furniture components
9 0	Disposal (9)	Furniture	Reusing/refurbishing/re-manufacturing desks and office chairs and domestic furniture (sofas and dining tables)- WRAP
9 1	Disposal (9)	Furniture	Donate furniture to charity
9 2	Demand reduction (11)	Paper	Only print what is really needed
9 3	Demand reduction (11)	Paper	Avoid mailshot
9 4	Production (3)	Paper	Buy recycled writing paper
9 5	Production (3)	Paper	Buy recycled toilet paper
9 6	Use phase (8, 9)	Paper	Two-sided printing and copying
9 7	Use phase (8, 9)	Paper	Shift from paper to e-books and e-newspapers
9 8	Disposal (9)	Paper	Separate paper waste
9 9	Demand reduction (11)	Plastics	Reduce the number of plastic items

1 0 0	Demand reduction (11)	Plastics	Reduce number of bottled water (especially where potable water is available)
1 0 1	Production (3)	Plastics	Buy biobased plastics (e.g. PLA) ??
1 0 2	Use phase (8, 9)	Plastics	Use own bag when shopping
1 0 3	Disposal (9)	Plastics	Separate PET bottles
1 0 4	Production (3)	Chemicals	Buy biobased chemicals
1 0 5	Use phase (8, 9)	Chemicals	More efficient use of chemicals
1 0 6	Use phase (8, 9)	Chemicals	Chemical leasing
1 0 7	Use phase (8, 9)	Food	Shift from meat towards lower-carbon food product categories (vegetarian, vegan or flexi (low meat) diet), excluding direct hh purchases

A1.4 Other Studies

Table 4. Lifestyle data from various studies of different lifestyle domains

Study	Selected lifestyle
1. Lifestyles Related to Tourism (Füller and Matzler 2008)	Sporty/life-conscious: Sport as well as aspects which directly deal with their life: <i>health</i> , family and leisure aspects seem to be important to them.

<p>2. NZ Museum Visits (Todd and Lawson 2001)</p>	<p>The solitary existence of <i>conservative quiet lifers</i> is evidenced by the passive, homebased activities and interests in which they partake. They are loners who do not like being surrounded by lots of people or forming new friendships, and who prefer to work on their own. Their interests include gardening, doing crosswords, attending church, watching television and listening to the radio. They are least likely to engage in entertainment such as social outings, or to attend cinemas, art galleries or museums.</p>
<p>3. Lifestyles and Tourism (González and Bello 2002)</p>	<p>Home-loving: By way of pastimes, they enjoy cultural activities, such as regular visits to exhibitions, monuments or places of outstanding natural beauty. Read a lot and listen to radio, watch television.</p>
<p>4. Food Lifestyles (Nie and Zepeda 2011)</p>	<p>Adventurous consumer: Shops at farmer's markets. Value healthiness, food safety, freshness. Do not value convenience. Most active organic food shoppers. Cook most often. Follow special diet to keep fit or treat illness. Religious motives.</p>
<p>5. Food Lifestyles (Nie and Zepeda 2011)</p>	<p>Careless consumer: Shops where most convenient, at big supermarkets. Only values taste and convenience of food. Least likely to buy organic food. Least interest in cooking. No special diets.</p>
<p>6. A Lifestyle Segmentation Analysis of the Backpacker Market in Scotland (Thyne, Davies, and Nash 2005)</p>	<p>The Outdoors: Looks for 'beautiful' scenery while traveling. Activities include hill walking, rambling, mountain and rock climbing, cycling and offroad biking. Near majority of members of this segment (87%) chose to go to the most popular mountain areas. Given the wide range of outdoors pursuits that can attract them to rural areas, the Outdoors group prefer to use their private car rather than public transport. The Outdoors do not consider the Internet as an important source of information.</p>