Roadmapping For Sustainability

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Abstract

Roadmapping is a tool to visualize and concretize a strategy, using a timeline. The development of sustainability is a huge endeavour with many stakeholders at a global scale, making it highly complex. A roadmap is a means to keep overview in such complex problems, helping the wide variety of stakeholders to communicate and to share a vision on how to achieve sustainability. The roadmap sets the context for concrete action plans.

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Integrated Roadmap Layers

drives, requires——	upports, enables—
drive	oddns——

Objectives	What	<mark>is happenin</mark>		
Trends		demographics, environmental, social, political, legal		
Solutions Capabilities			et there? gy, circular econor	ny, education,
Means	Wha	at means do		get? and soft technology
Resources		at resources man competences, e		
What governance do we need? legislation, standards, compliance, leadership				
past	short term	medium term	long term	very long term



Simplistic Example

——drives, requires—— —supports, enables—

Transportation and Affordable Clean energy

Objectives		all individual transport	shipping clean	air traffic clean
Trends		Clean	Clean	Gl C all
Solutions Capabilities	į	all electric vehicles electric harvesting and distribution p PJ/yr	H ₂ ships	planes on synth fuel
Means		batteries x W/Kg charging y Wh/s solar z kWp/m²	H ₂ storage fuel cell	power-to-fuel
Resources		installation maintenance	H ₂ handling	
Governance		ICE forbidden infra standards	fuel	fuel regulations fuel tax and infra standards
paor	hort erm	medium term	long term	very long term



Global Sustainability Goals

No Poverty		
Zero Hunger		
Good Health and Well-Being		
Quality Education		
Gender Equality		
Clean Water and Sanitation		
Affordable and Clean Energy		
Decent Work and Economic Growth		
Industry, Innovation and Infrastructure		
Reduced Inequalities		
Sustainable Cities and Communities		
Responsible Production and Consumption		
Climate Action		
Life Below Water		
Life On Land		
Peace, Justice and Strong Institutions		
Partnerships for the Goals		

UN (global)

https://www.un.org/sustainabledevelopment/sustainable-development-goals/ EU (European)

https://ec.europa.eu/europeaid/policies/sustainable-development-goals_en Nederland

http://www.sdgnederland.nl/



Roadmapping Outcomes

Top-level roadmap	Single page	Poster and part of many presentations
Single-view roadmap	Single page per view g. roadmap per sust	Poster and part of many presentations ainability goal
Supporting roadmaps	Single page per view and per aspect or driver f.i. clean energy for	Poster and part of many presentations transportation
Supporting reports	Document per relevant subject	



Multiple Planning Tiers



