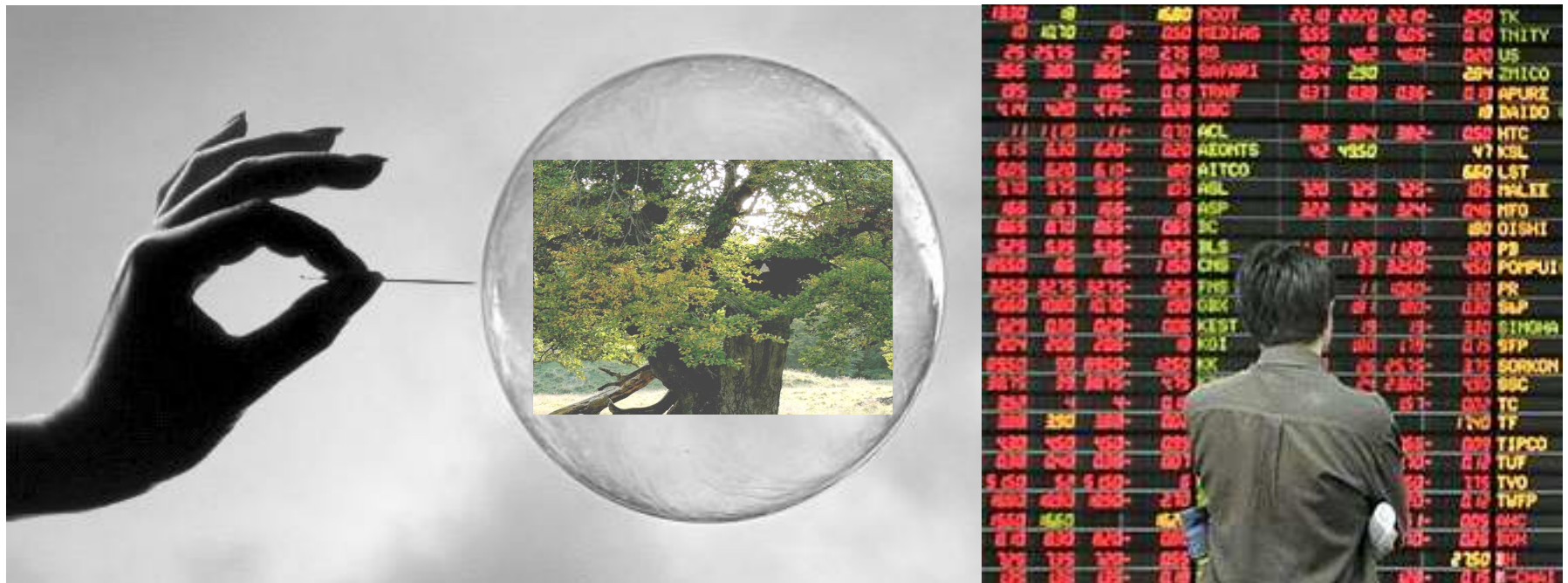
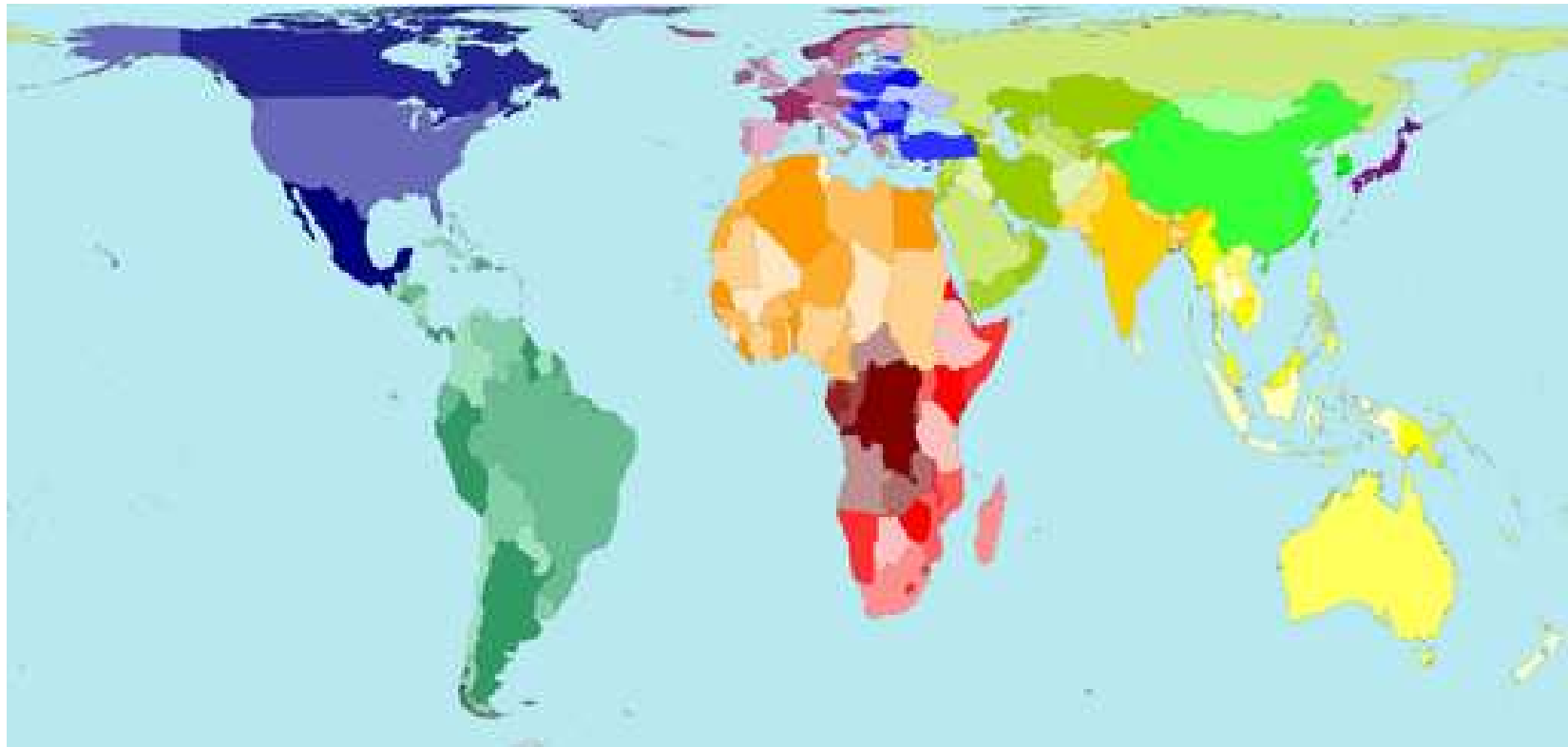

A large background graphic consisting of several overlapping, semi-transparent green circles of varying shades, creating a sense of depth and movement. A horizontal white band is overlaid across the middle of these circles.

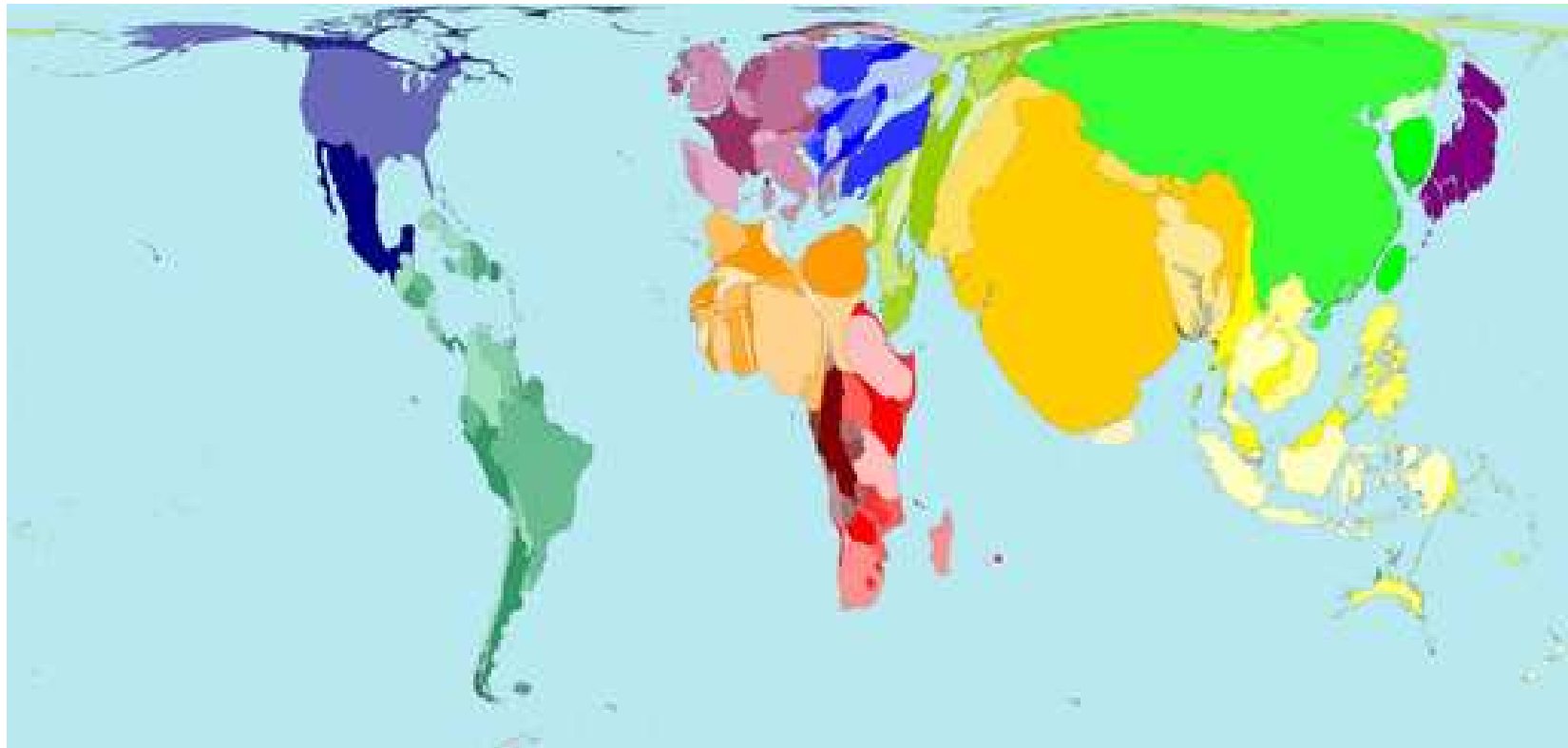
Eureca – European Ecosystem Assessment





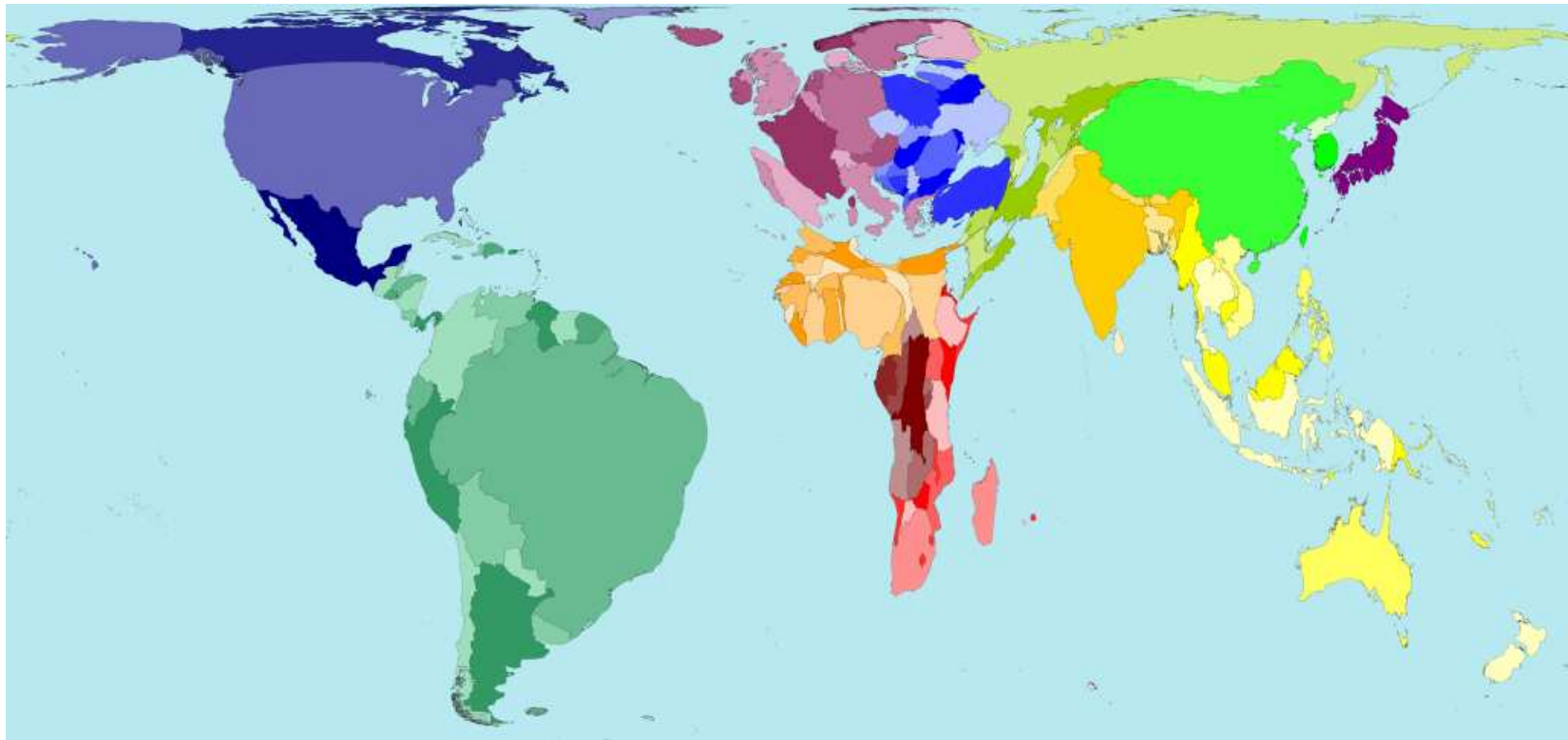
Land area

Source: <http://www.worldmapper.org/>



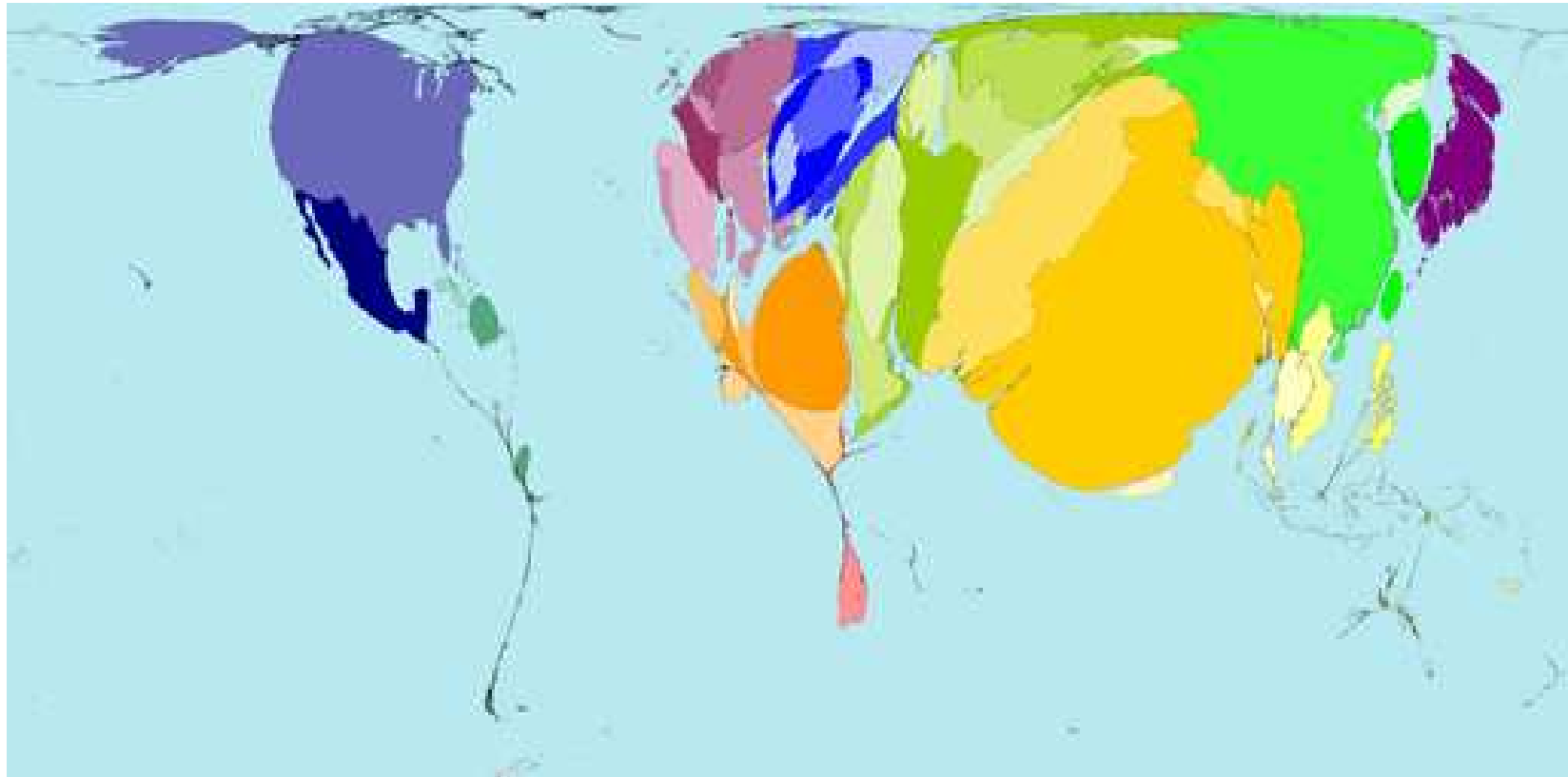
Population 2050

Source: <http://www.worldmapper.org/>



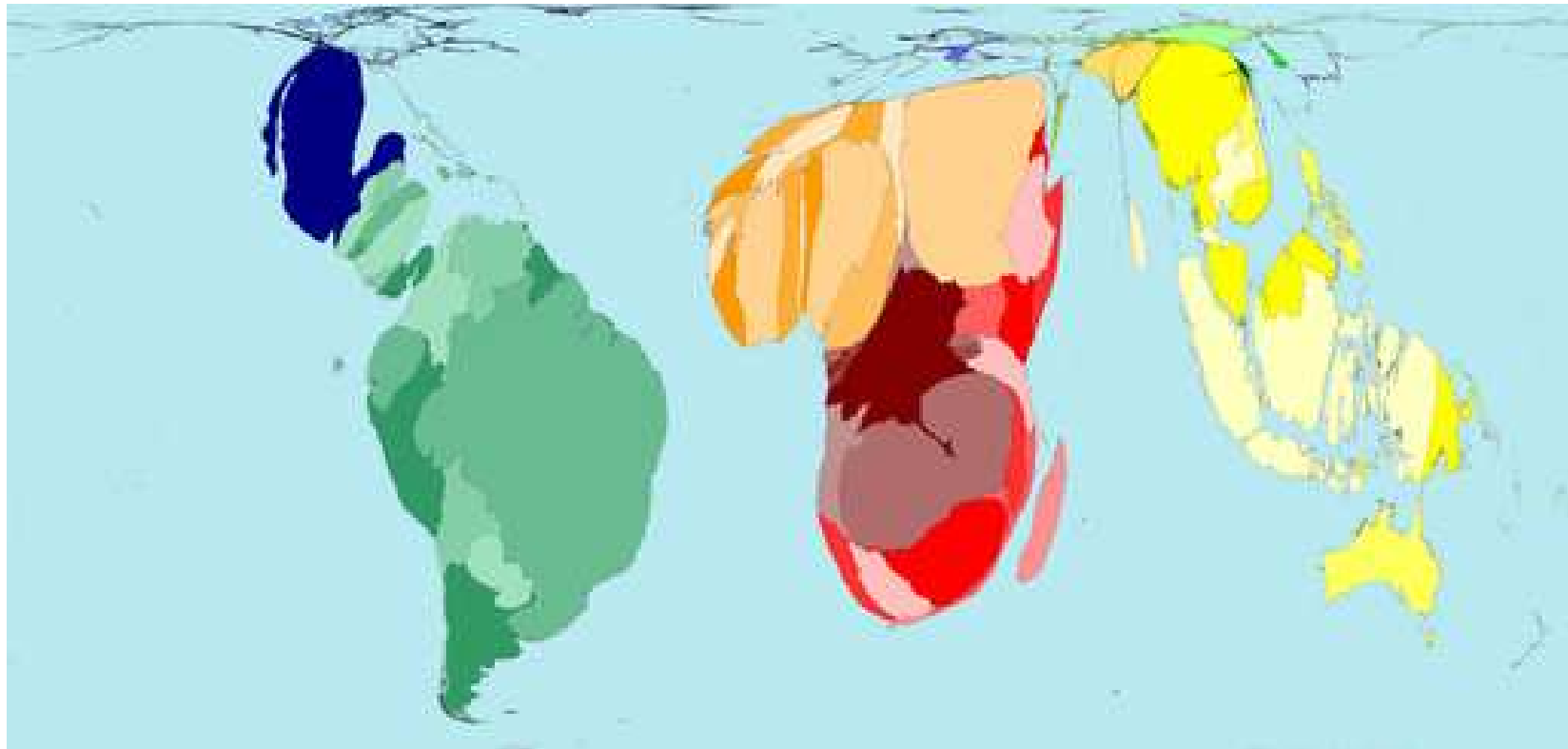
Biocapacity (renewable bioproduction)

Source: <http://www.worldmapper.org/>



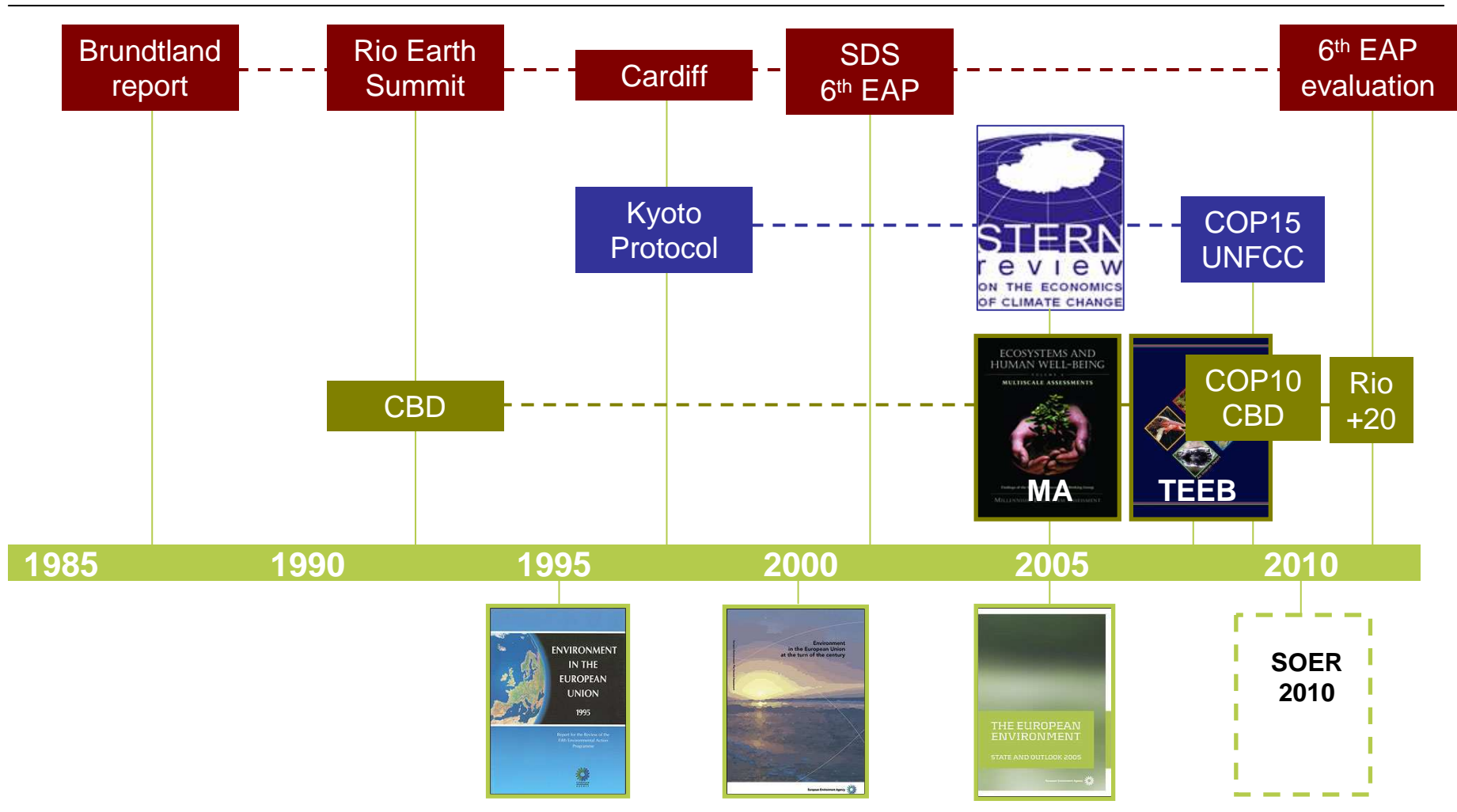
Water depletion % of domestic renewable supply

Source: <http://www.worldmapper.org/>



Forest loss 1990-2000

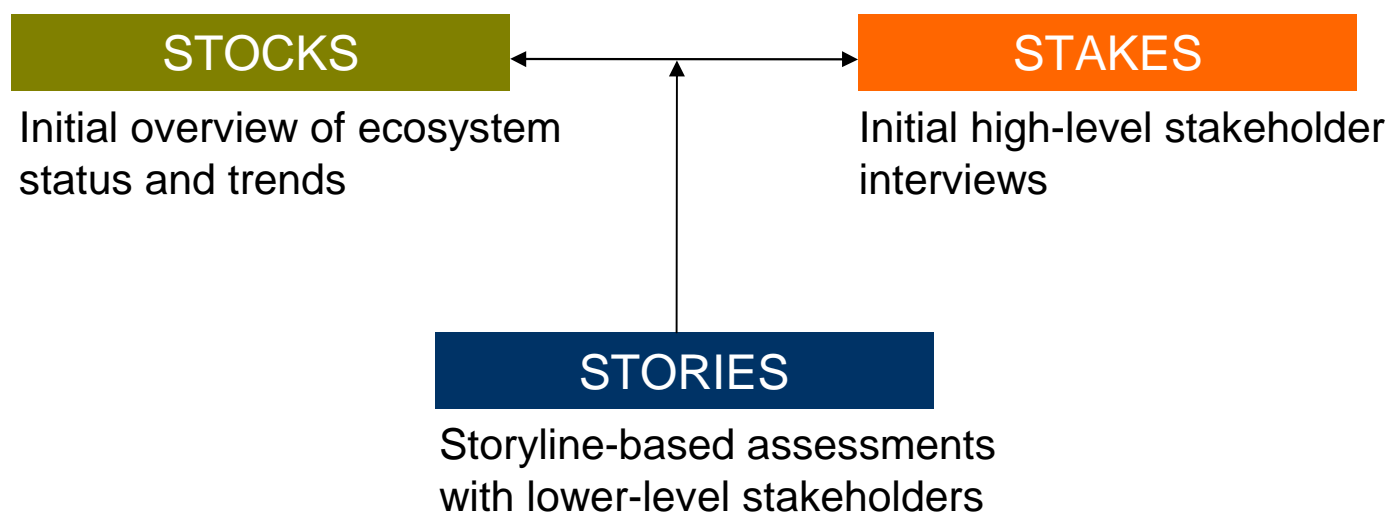
Source: <http://www.worldmapper.org/>



MA follow-up

- **MA Strategic goals**
 - Improving the knowledge base regarding ecosystem functioning and services
 - Developing and applying tools for political decision making
 - Outreach to stakeholders
- **EURECA aims at getting formally acknowledged as SGA**

Approach



Modular setup

- **Initial high-level stakeholder inventory**
- **Pathfinder**
 - Europe-wide background picture
 - Status and trends of European biodiversity (SEBI-based)
 - Broad context changes
 - Methods handbook / matrix of ecosystems and services
 - No integral economic valuation of change!
- **Spotmeters (storyline based assessments)**
 - Zooming in on areas/services of interest
 - Analysing consequences of context changes (on basis of scenarios)
 - Exploring resilience
 - Exploring policy options
 - Assessing economic costs and benefits
- **Integrator**
 - Overall assessment / conclusion

Methods

ecological analysis

indicator-based (e.g. SEBI)

distribution and trends of habitats and species
threats / pressures
ecosystem resilience

scenario development

alternative pathways into the future
DPSIR modelling
spatially explicit output (distribution habitats / species)

economic valuation

(NB: per scenario)

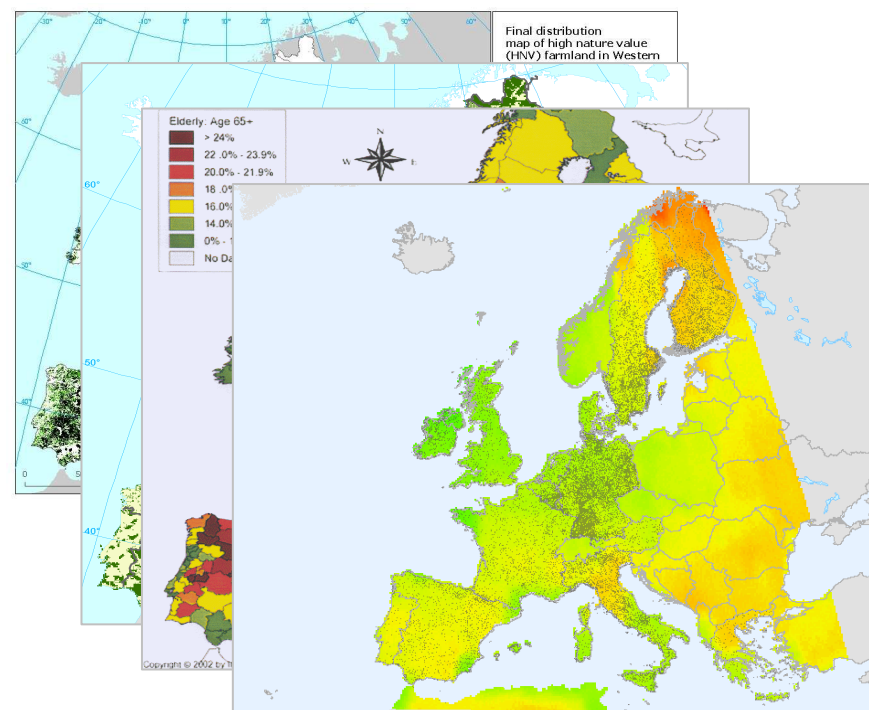
identification of relevant ecosystem services
value of marketed and non-marketed services
costs of relevant policy measures
cost-benefit analysis under discounting over the scenario period.

ecosystem accounting

stocks (land cover units, species)
flows of related ecosystem services
modelling economic parameters (upscaling / benefit transfer)

Pathfinder

- **Background data and analytical framework**
 - Status and trends of European ecosystems and species
 - Ecosystem services – land cover matrix
- **User interface, combining:**
 - CORINE
 - HNV farmland
 - Nat2000 conservation status
 - SEBI indicators
 - Socio-economic trends
 - Demographic trends
 - Climate change projections
 - World trade projections
- **Initial vulnerability assessment**

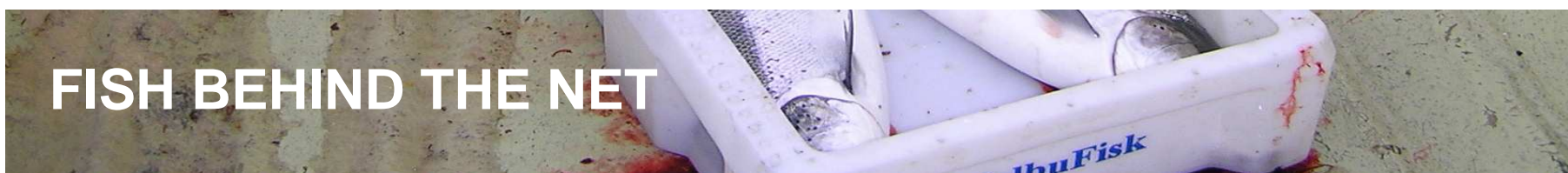


Storyline based assessment

Spotmeters



FOOD FOR THOUGHT



FISH BEHIND THE NET



NATURA2MORROW



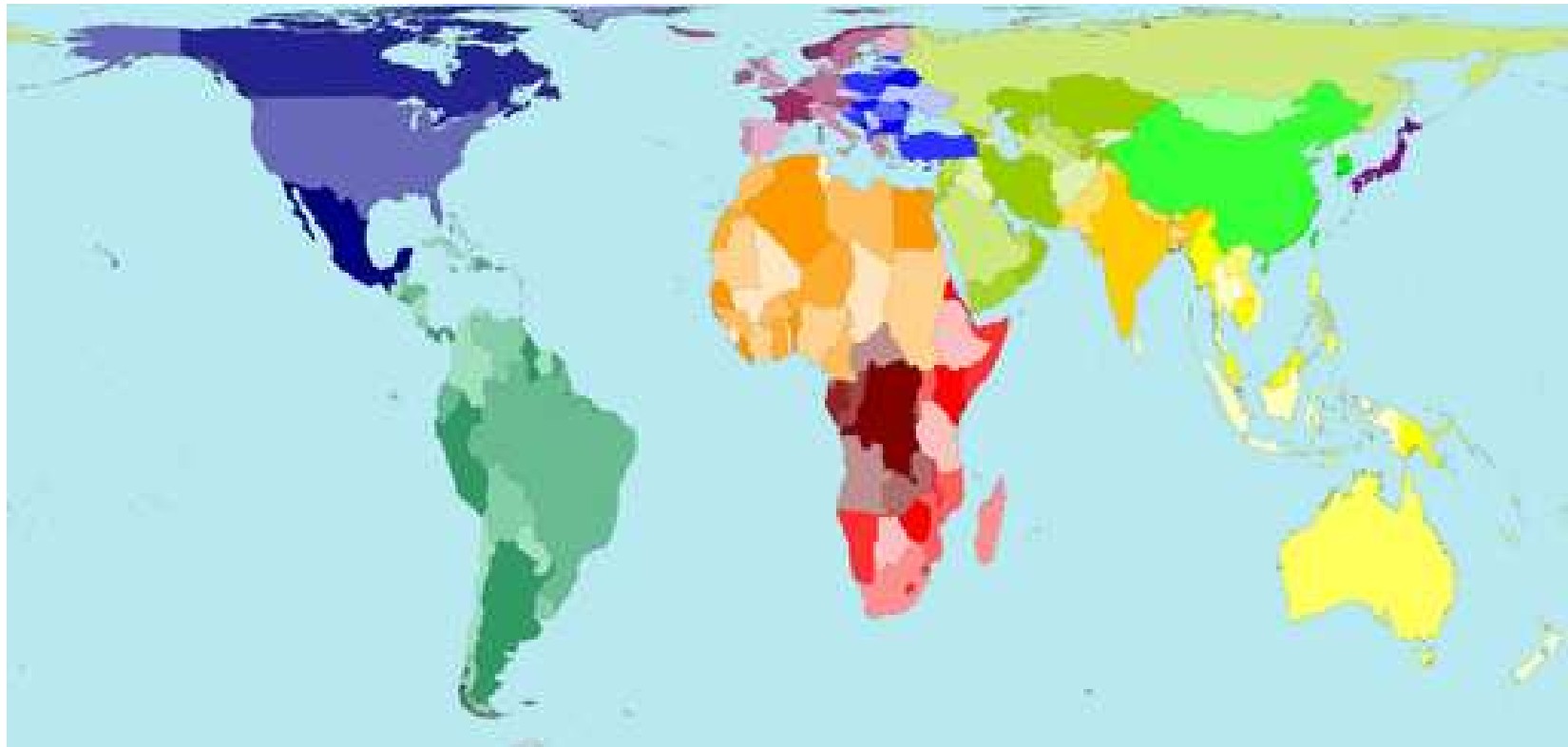
BREAKING THE WAVES



PEAK PERFORMANCE

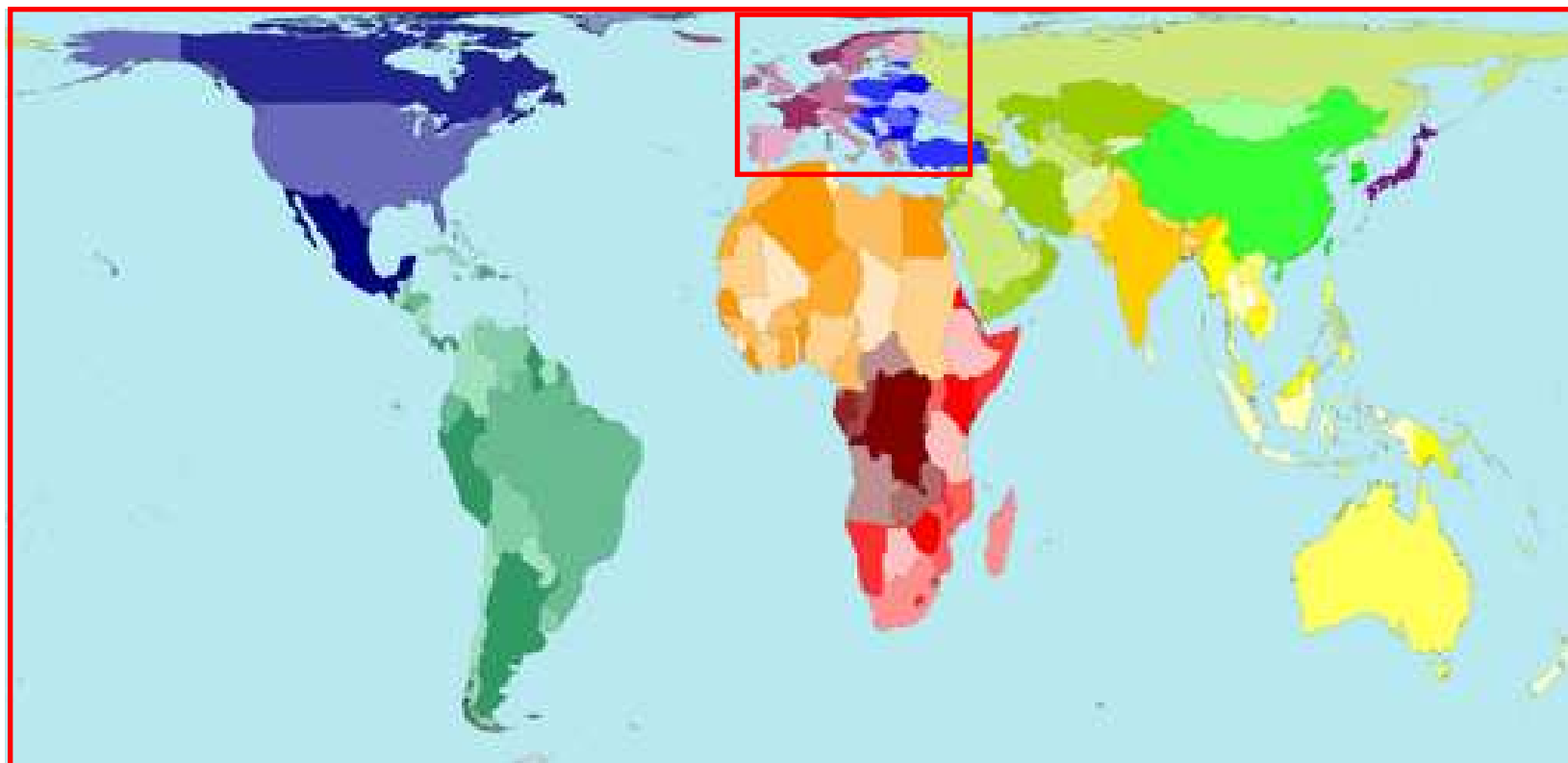
Links to MA follow-up strategy

- Improving the knowledge base regarding ecosystem functioning and services
SEBI integration, Country contributions , accounting framework
- Developing and applying tools for political decision making at European level
Close link to policy frameworks and timetable (CAP, CFP, Energy, WFD, BAP)
- Outreach to stakeholders
Spotmeter storylines as basis for outreach



Land area

Source: <http://www.worldmapper.org/>

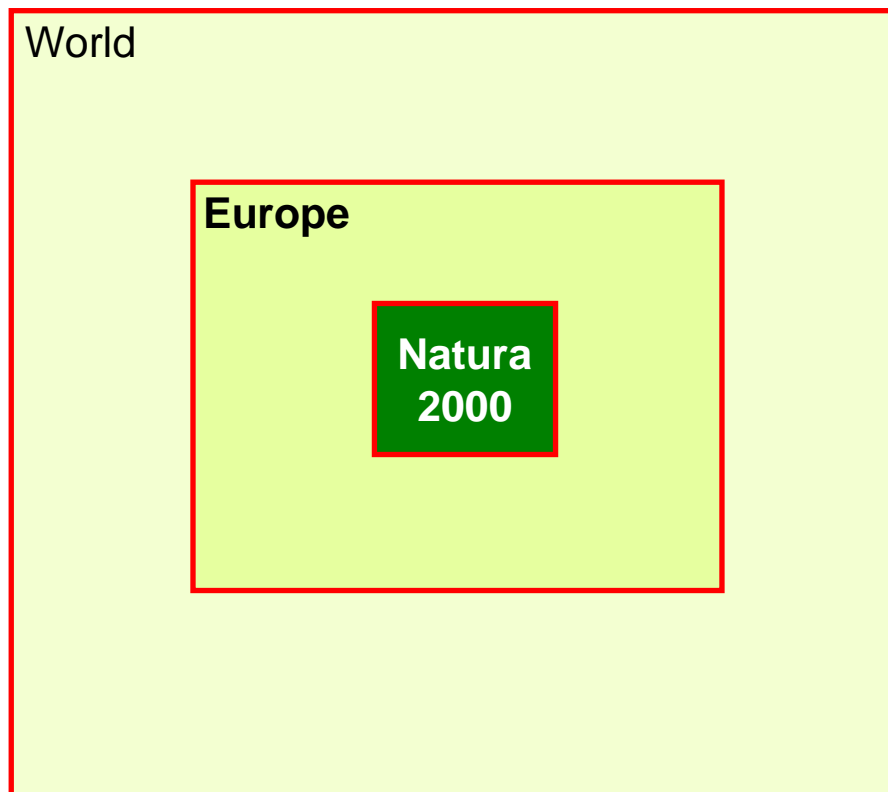


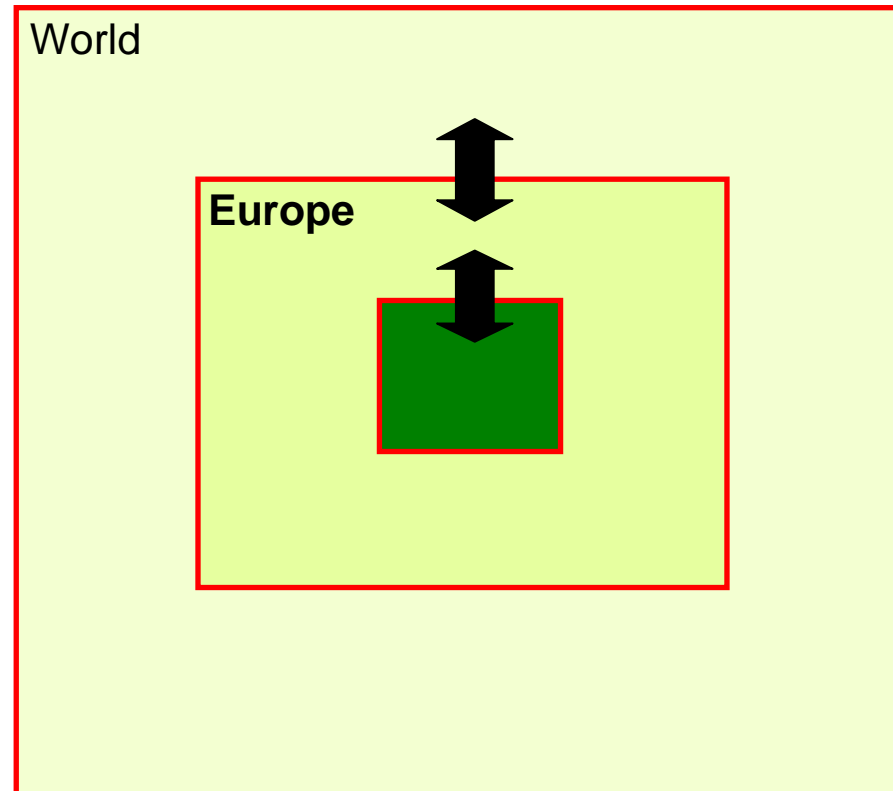
Source: <http://www.worldmapper.org/>



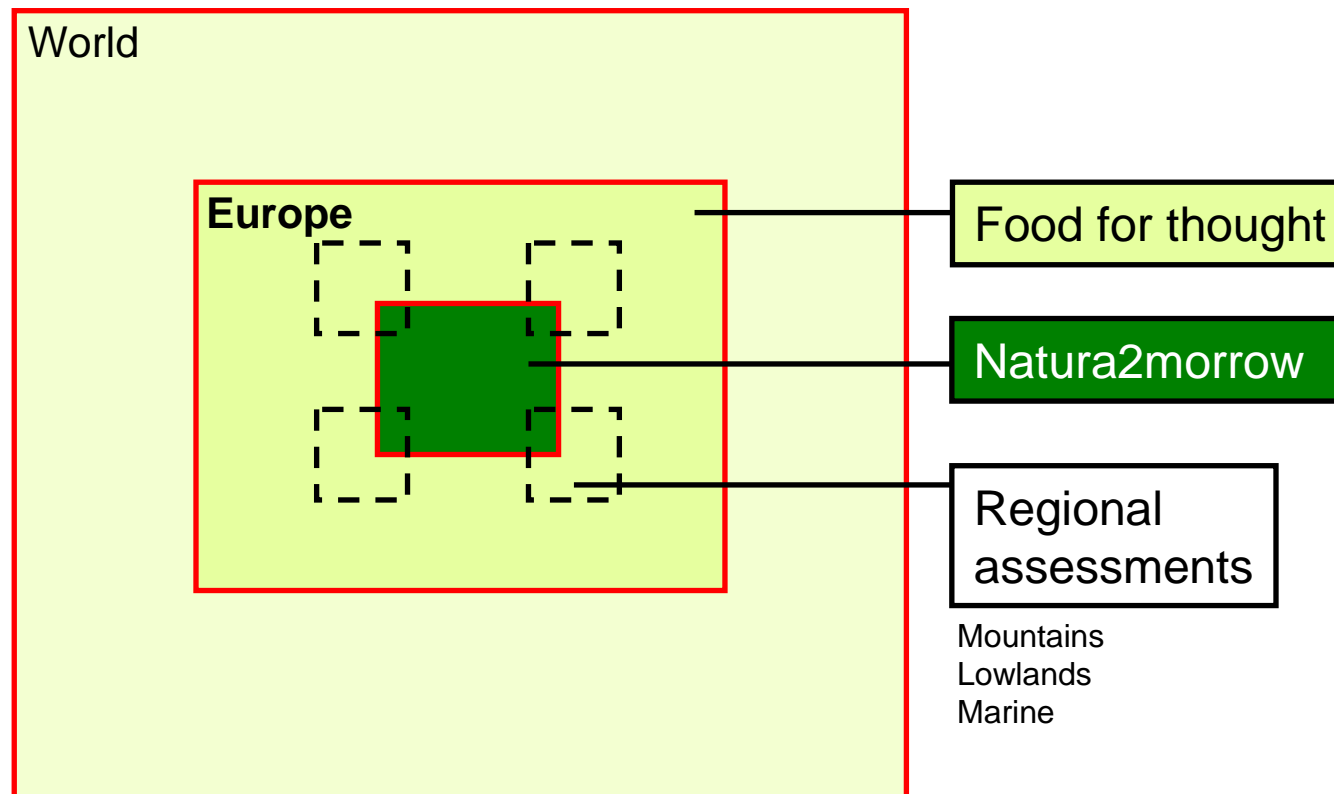
World







STORIES



Ecosystem services classification

Provisioning services

- Food (incl. crops, livestock, fisheries, aquaculture, wild foods)
- Fiber (incl. timber, cotton, hemp, silk, wood fuel)
- Genetic resources
- Biochemicals
- Natural medicines,
- Pharmaceuticals
- Fresh water
- Bio-energy

Supporting services

- Primary production
- Nutrient cycling
- Pollination

Regulating services

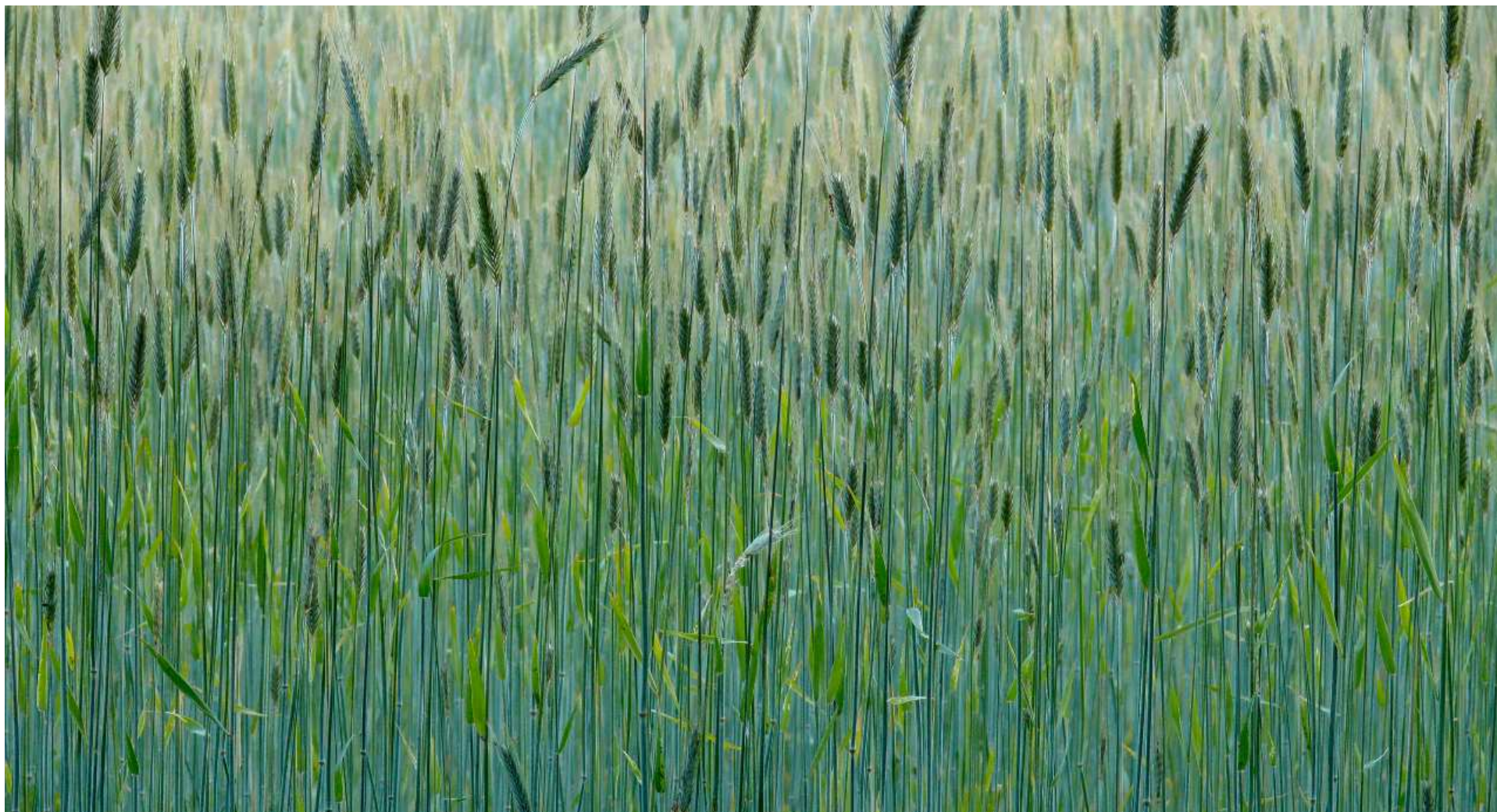
- Air quality regulation
- Climate regulation
- Water regulation
- Erosion regulation
- Waste treatment and water purification
- Disease and pest regulation
- Natural hazard regulation

Cultural services

- Spiritual & religious values
- Aesthetic values
- Recreation & ecotourism

STORIES

'Food for Thought..' Food, fuel and the fate of the landscape



STORIES

'Natura2morrow'

Robustness and significance of protected areas



Initial high-level stakeholder interviews

- **Who:**
- Representatives of interest groups and opinion leaders

- **Why:**
- Investigate views / expectations
- Identify controversies
- Map blind spots
- Identify needs for data and tools
- Inspire lower-level stakeholder debate / scenario development

Interviewed persons

Food for thought

Yves Arthus Bertrand Filmmaker
Peter Brabeck-Lethmate Chairman Board of Dir.
Nestlé
Michael Braungart Professor Hamburger
Umweltinstitut
Ariel Brunner Policy Officer Birdlife international
Willy Degreef Secretary General EuropaBio
Bioindustries
Martin Hofstetter Agriculture expert Greenpeace
Peter Kendall Deputy President COPA/COGECA
Peter Lund Madsen TV film maker / conferencier
Bhanta Panaysara Thera Buddhist monk
Jean-Philippe Torterotot President EWA
Bernd Wilke Senior Risk Engineer SwissRe

Natura2morrow

Bridget Baines Landscape Architect Gross Max
Andreas Baumüller Policy Officer WWF
Bart DeBaere Director Museum of Modern Art
Antwerp
Thiery de L'Escaille Secretary General ELO
Lesley Dickie Executive Director EAZA
Stephan Goetz Managing Director Goetz Partners
Jacqueline McGlade Executive Director EEA
Martijn Quinn Deputy Head of Cabinet DG Env
Achim Steiner Executive Director UNEP
Andras Szölösi-Nagy Deputy Ass. SG UNESCO
Sir Crispin Tickell Former President Royal
Geographical Society

Timetable 2008-2013

	Pathfinder		SoER	Integrator		
	2008	2009	2010	2011	2012	2013
Biodiversity Comm.	2nd progress report SEBI report		4th pr. rep. 2010 eval.			7th pr. report 6th EAP eval.
Marine strat.	Entry into force	Fish behind the Net				Initial assessment
CFP					Revision	
WFD		Braking the waves				River basin rep.
CAP Health Check	Commission proposal CAP report	Food for Thought				
Reg. policy	Ex post eval.	Proposal				
Natura2000	Art. 17 reporting	Possible guideline art.10 coherence		Poss. revision HD / BD		
Climate change	Communication on adaptation	Natura2morrow				
Bioenergy	Sust. criteria	Biofuels rep.	CC rep.			
Cohesion	Green paper					
Budget rev.				Budget '14-'20		
Alp./Carp. C			Peak Performance			

