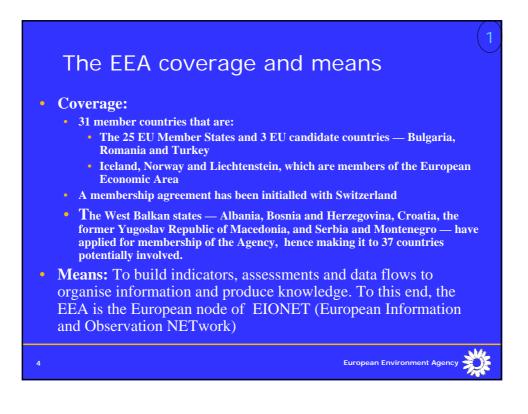
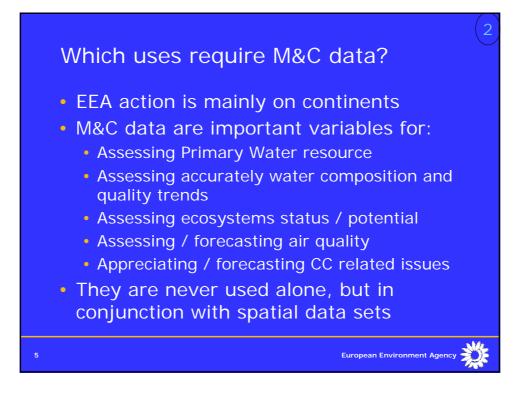


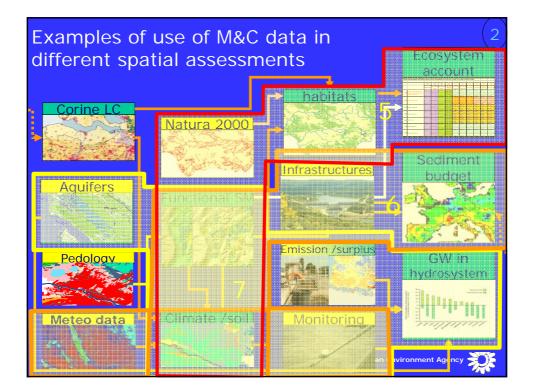


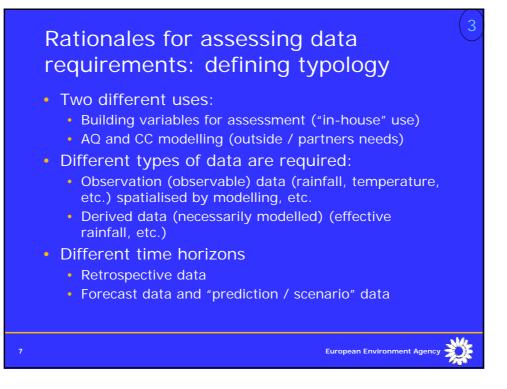
- **The EEA** was set up as a legally independent Community body under EC Regulation 1210/90, adopted in May 1990 and revised in 1999. The Agency started working in Copenhagen in 1994.
- **Mandate:** To deliver timely, targeted, relevant and reliable information for environmental policy-making and for the assessment of environmental achievements and outcomes.
- **Purpose:** To support sustainable development and to help achieve significant and measurable improvement in Europe's environment.
- Means: To build indicators, assessments and data flows to organise information and produce knowledge. To this end, the EEA is the European node of EIONET (European Information and Observation NETwork)

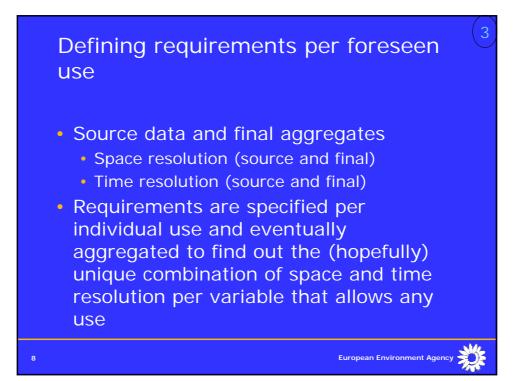
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Use: wa	ater acco	ounts (re	etrospect	tive)	
Rainfall primary resource	Source data required		Final aggregate (methodology is defined)		
Variable	Space resolution	Time resolution	Space resolution	Time resolution	
Raw rainfall (mm / R)	~1,000 km <sup>2</sup> (to apportion to the correct catchments)	Month (to */ take into account seasonality, */ aggregate at the hydrologic year)	Accounting catchment (~10,000 km <sup>2</sup> )	Year (civil / hydrologic)	
Evapotranspiration (mm/R)	~1,000 km <sup>2</sup> (to apportion to the correct catchments)	Month (to */ take into account seasonality, */ aggregate at the hydrologic year)	Accounting catchment (~10,000 km <sup>2</sup> )	Year (civil / hydrologic)	
Soil moisture (equivalent mm/R)	~1,000 km <sup>2</sup> (to apportion to the correct catchments) and per aggregated LC type	Month (to */ take into account seasonality, */ aggregate at the hydrologic year)	Accounting catchment (~10,000 km <sup>2</sup> ), per LC type (rainfed agriculture)	Year (civil / hydrologic)	
Effective rainfall (mm/R)	~100 to 1,000 km <sup>2</sup> (ideal, extrapolation to small aquifers could be done from bigger size.	Month is ideal address any hydrogeological year.	Aquifer refilling area, can be estimated in the range (EU level) of several 1,000 km <sup>2</sup> .	Hydrogeologic year (ideal from rainfall season to the next one) and civil year.	

Example:	Air quality information	Source data required		Final aggregate	
	Variable	Space resolution	Time resolution	Space resolution	Time resolution
Air quality	Raw rainfall (mm/R/F)	~10×10km grid)	Month and year averages	Not specified	Not specified
modelling (tentative)	Raw rainfall (mm/R/F)	Punctual, large cities	day	Not specified	Not specified
(tentative)	Rainfall frequency (?/R/F)	~10×10km grid)	Month and year averages (to specify)	Not specified	Not specified
	Rainfall frequency (?/R/F)	Punctual, large cities	day	Not specified	Not specified
	Wind velocity (m/s/R/F), direction not specified ?	~10×10km grid)	Month and year averages (to specify)	Not specified	Not specified
	Wind velocity (m/s/R/F), direction not specified ?	Punctual, large cities	day	Not specified	Not specified
	Temperature (°C/R/F)	~10×10km grid)	Month and year averages (to specify)	Not specified	Not specified
	Temperature (°C/R/F)	Punctual, large cities	day	Not specified	Not specified
	Solar radiation (J/m <sup>2</sup> ?/R/F)	~10×10km grid)	Month and year averages (to specify)	Not specified	Not specified
	Solar radiation (J/m <sup>2</sup> ?/R/F)	Punctual, large cities	day	Not specified	Not specified

	Summary of requirements (tentative <sup>4</sup> for aggregation level)							
	Time → Area↓	Year and more	Month	10 days	Day	<day< th=""></day<>		
	50*50 km							
	25*25 km	BV (stats)	BV	BV	CC			
	10*10 km	AQ	BV,AQ	BV	CC	CC		
	local				AQ	CC		
	BV: building variable, AQ: Air Quality, CC Climate change							
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## Summary of requirements (tentative for variables)

Variable	BV required	AQ required	CC required			
Rainfall	X	X	X			
Evapotranspiration	Х		Х			
Soil moisture	Х		Х			
Effective rainfall	Х					
Soil temperature	Х					
Snow coverage	Х					
Wind (direction, intensity)		Х	X			
Air temperature		Х	X			
Solar radiation		X				
Humidity			X			
Pressure			X			
Sea status			Х			
BV: building variable, AQ: Air Quality, CC Climate change						
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