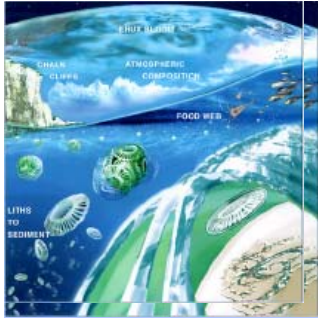


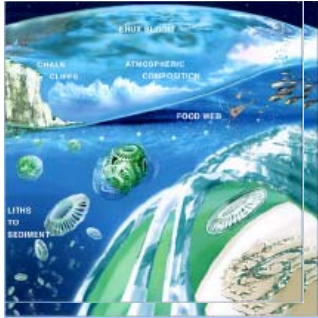
Scientific Data Infrastructure Ecosystem

Donatella Castelli
CNR-ISTI



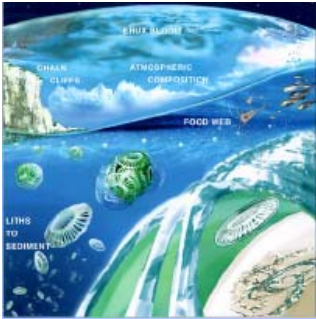
Science today

- Science processes dealing with with critical global problems are strongly influenced by the availability of data resources
 - experiment with the appropriate models
 - perform the relevant in silico experiments
 - generate knowledge by processing existing information
 - ...

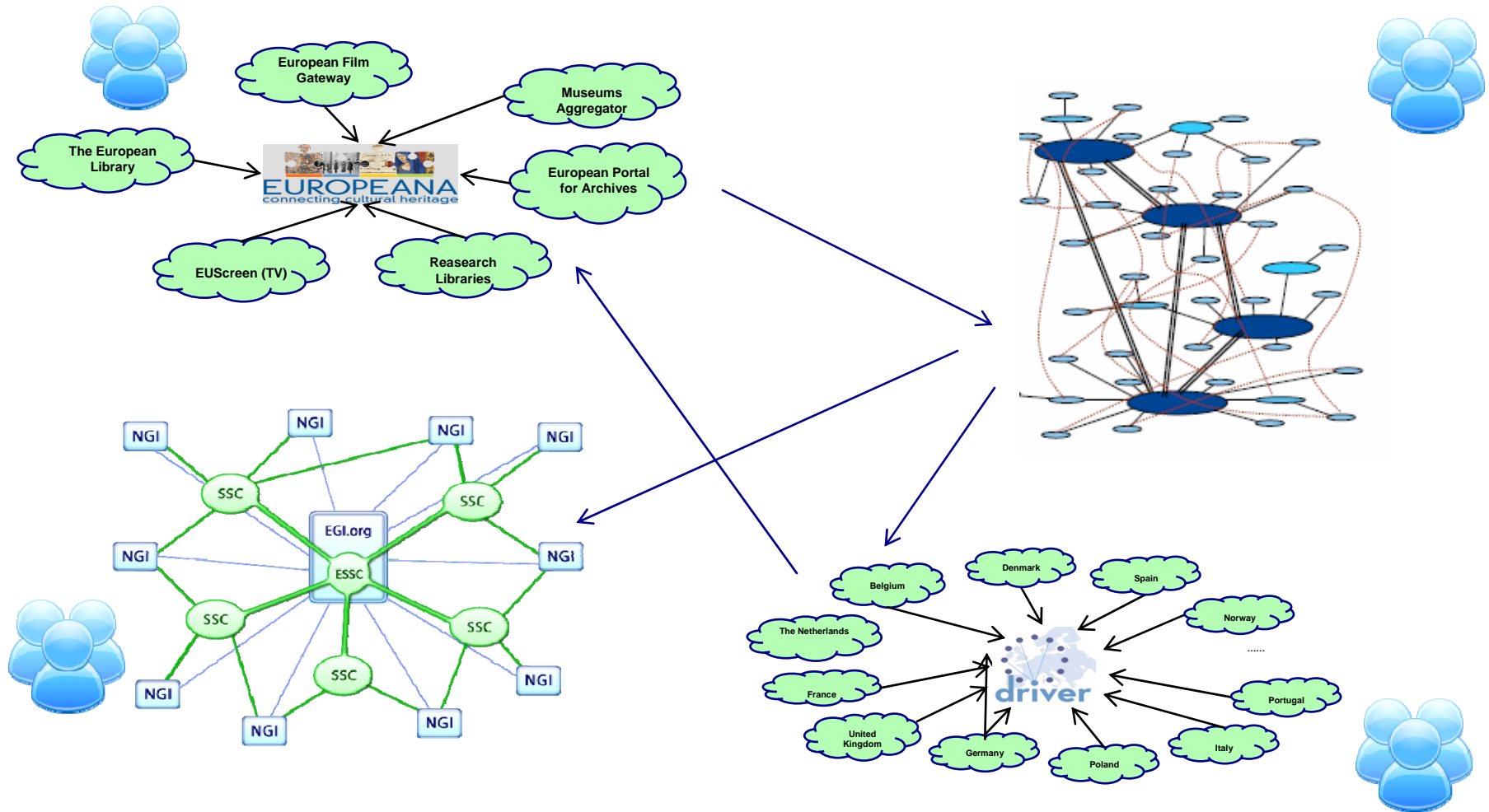


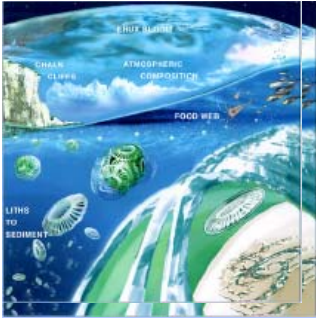
Sharing data

- Many projects/organisations with a limited temporal and spatial coverage carry out individual studies collecting specific information
- Cost-effectiveness of ad-hoc solutions is generally low
- “Data federations/data infrastructures” are emerging as solutions



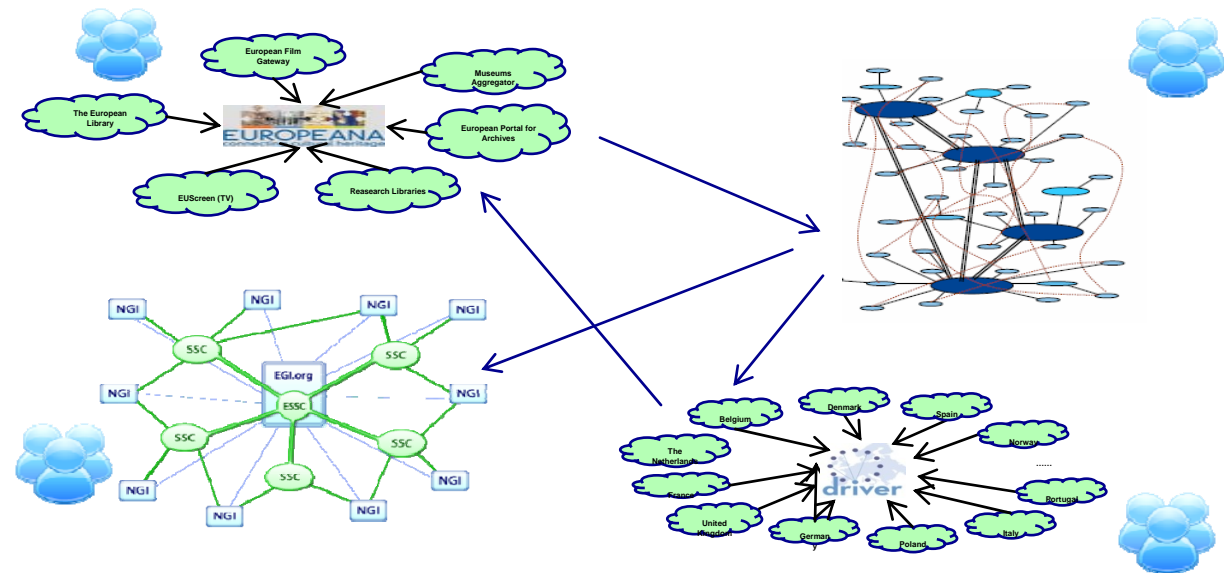
Data e-Infrastructure ecosystem?

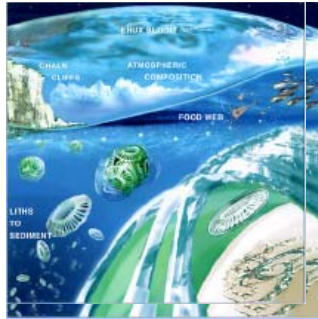




Data e-Infrastructure ecosystem?

- not isolated, but dynamically interoperating e-Infrastructures that influence each other as the components of an ecosystem





Programme

● Session 1

11:00	[257] Welcome and Introduction (00h15') <i>Speaker: Dr. CASTELLI, Donatella</i>
11:15	[258] The Integrated Fisheries Capture Information System (00h20') <i>Speaker: Dr. TACONET, Marc</i>
11:35	[259] The International Polar Year Project (00h20') <i>Speaker: Dr. PFEIFFENBERGER, Hans</i>
11:55	[260] Scientific e-Infrastructures: the D4Science perspective (00h35') <i>Speakers: Dr. PAGANO, Pasquale, Dr. KAKALETRIS, George</i>

● Session 2

14:00	[261] Scientific e-Infrastructures: the GENESI-DR perspective (00h15') <i>Speaker: Dr. BECO, Stefano</i>
14:15	[262] Scientific e-Infrastructures: the DEGREE perspective (00h15') <i>Speaker: Dr. SOM DE CERFF, Wim</i>
14:30	[263] Scientific e-Infrastructures: the DORII perspective (00h15') <i>Speaker: MEYER, Norbert</i>
14:45	[264] PANEL: Can a knowledge ecosystem be realized? Advantages and issues (00h40')
15:25	[265] Conclusions (00h05') <i>Speaker: Dr. CASTELLI, Donatella</i>