River restoration and ecosystem services

Cultural services

Classification of ecological services

Support services / ecological functions of ecosystems

Regulation

Supply services

Material and immaterial benefits for human well-being

Millennium Ecosystems Assessment (MEA), 2005. Ecosystem Wealth and Human Wellbeing. Island Press.



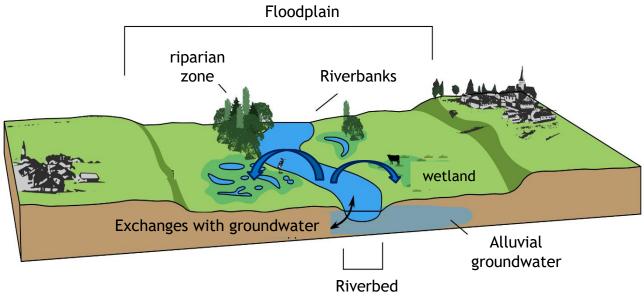
services

Valserine river (France):

Ecosystems services on the Valserine basin = 1,8m€/year

Source: Ecosystems services of living rivers: case study of Valserine river. 2014

Regulation services given by a river with a natural morphology



flood and drought mitigation

Groundwater refilling

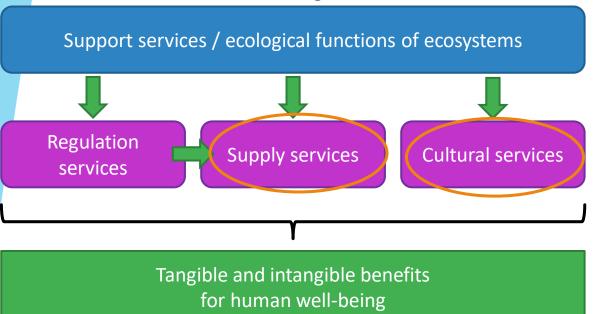
selfpurification of water

Climate regulation



River restoration and ecosystem services

Classification of ecological services:



Millennium Ecosystems Assessment (MEA), 2005. Ecosystem Wealth and Human Wellbeing. Island Press.

Supply services:

- Water
- Food : waterfowl, fish, crops and livestock
- pharmaceuticals
- Genetic resources

Cultural services:

- Tourism
- Common values : aesthetic, spirituality
- Recreational and sporting activities

Biodiversity loss costs us every year between 1 350 b€ and 3 100 b€!

Source: IRD² (Regional Institute for Sustainable Developement), 2017.

