

Assessment of ecosystem services for planning – Latvian coastal ecosystems case study

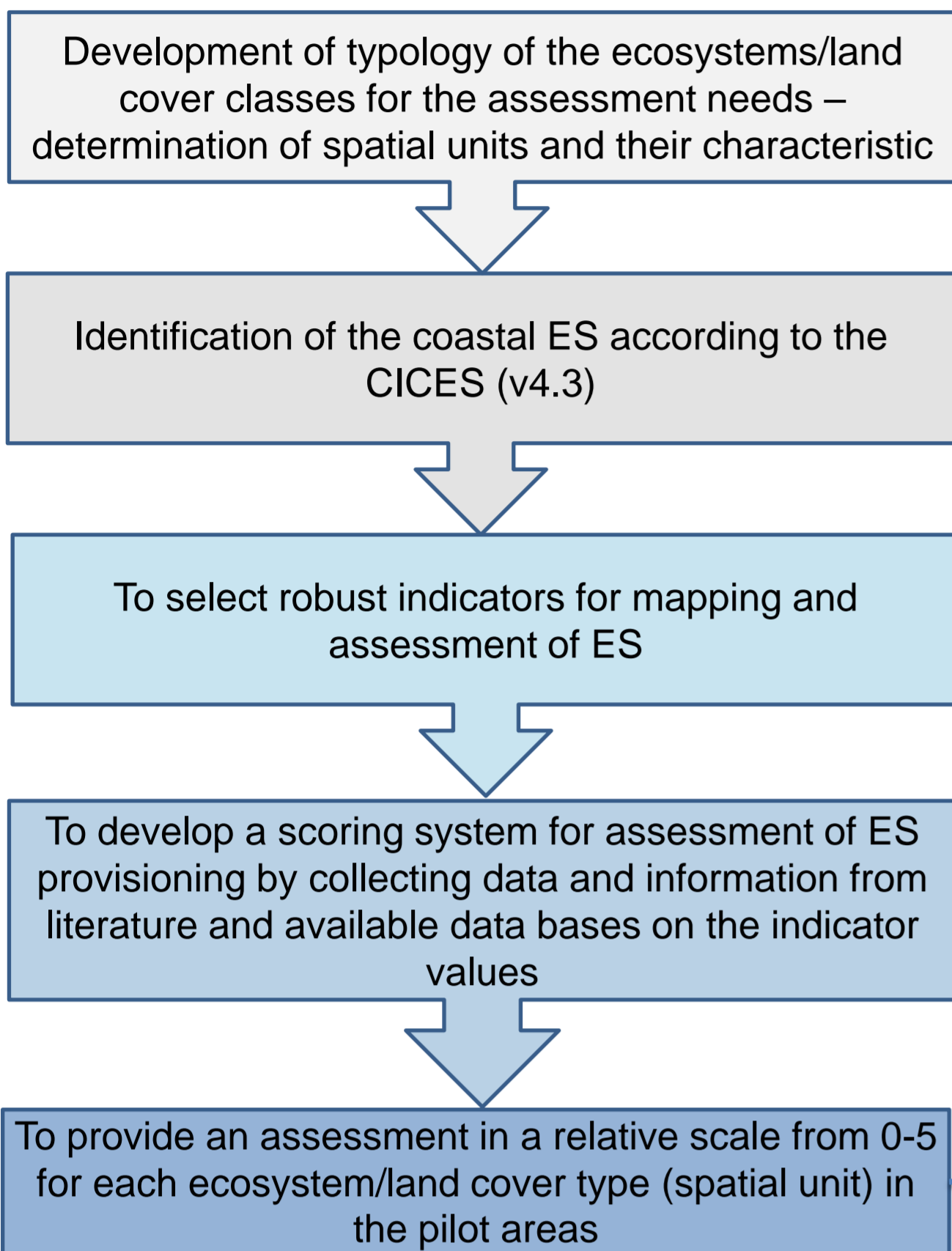
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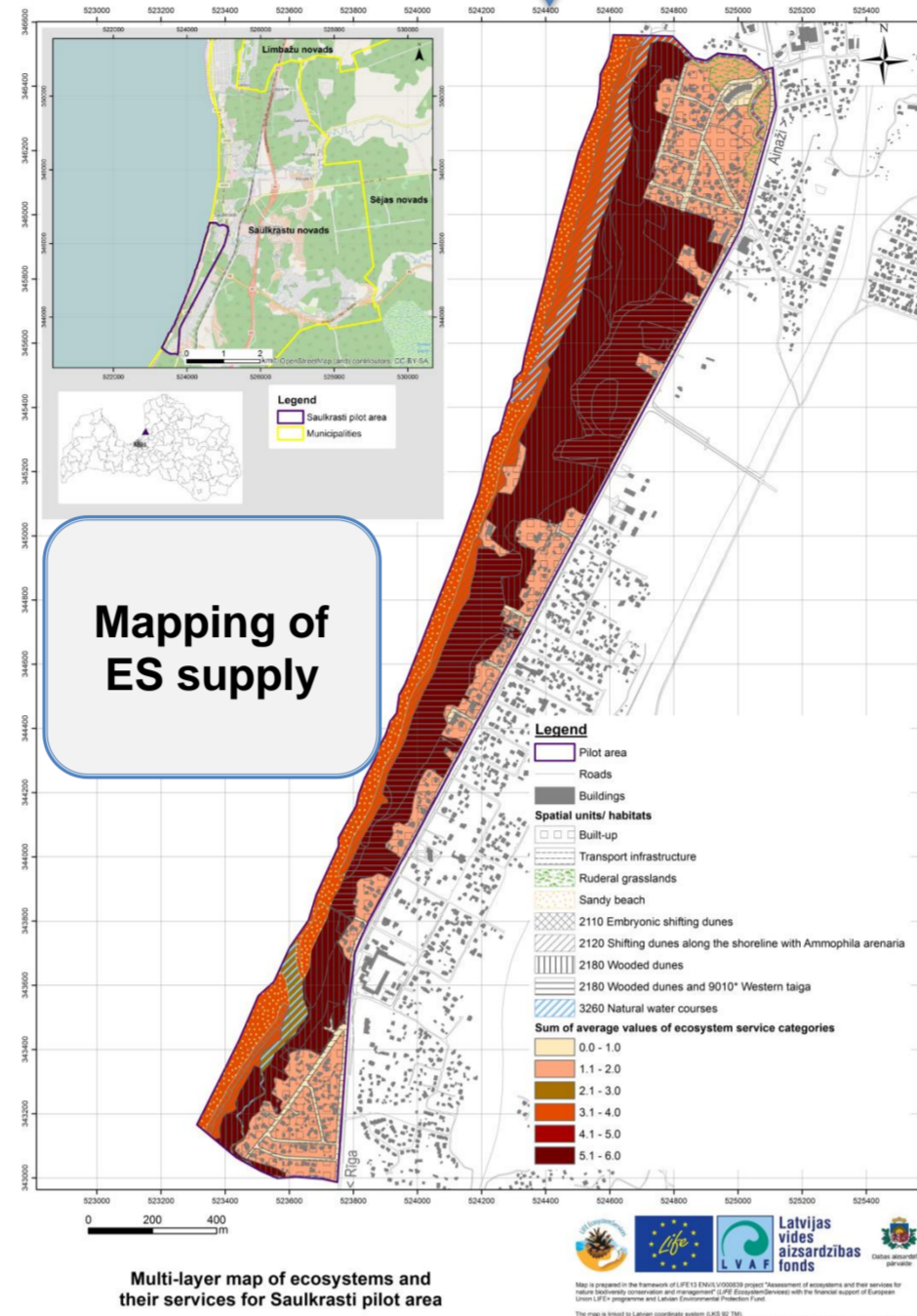
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Supply assessment and mapping



The assessment values were used

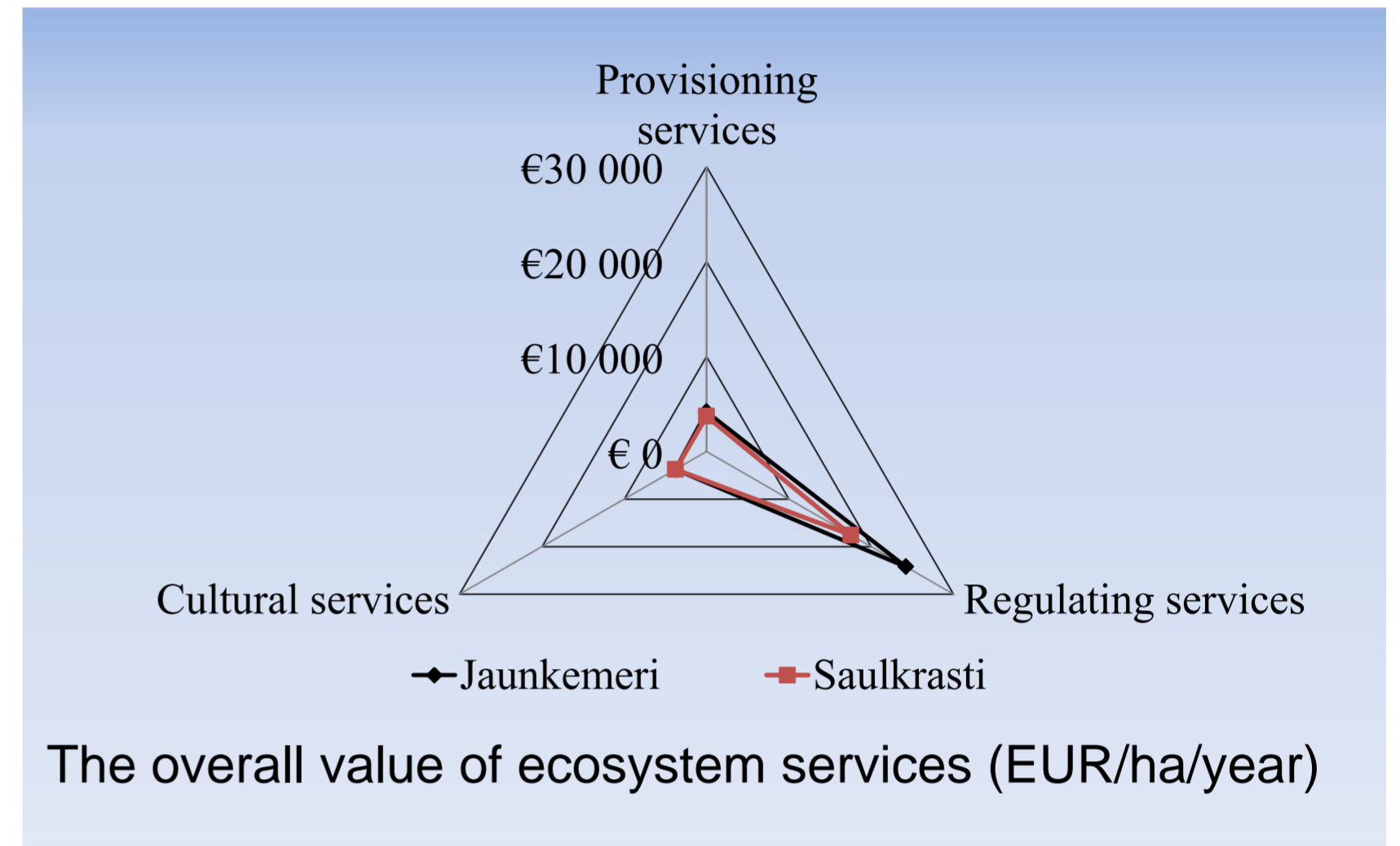


Incorporated in ES economic valuation

Economic valuation

- ✓ DIRECT MARKET COST METHOD
- ✓ BENEFIT TRANSFER METHOD
- ✓ TRAVEL COST METHOD

The economic valuation model was elaborated to assess ES current economic value and impact of potential development scenarios

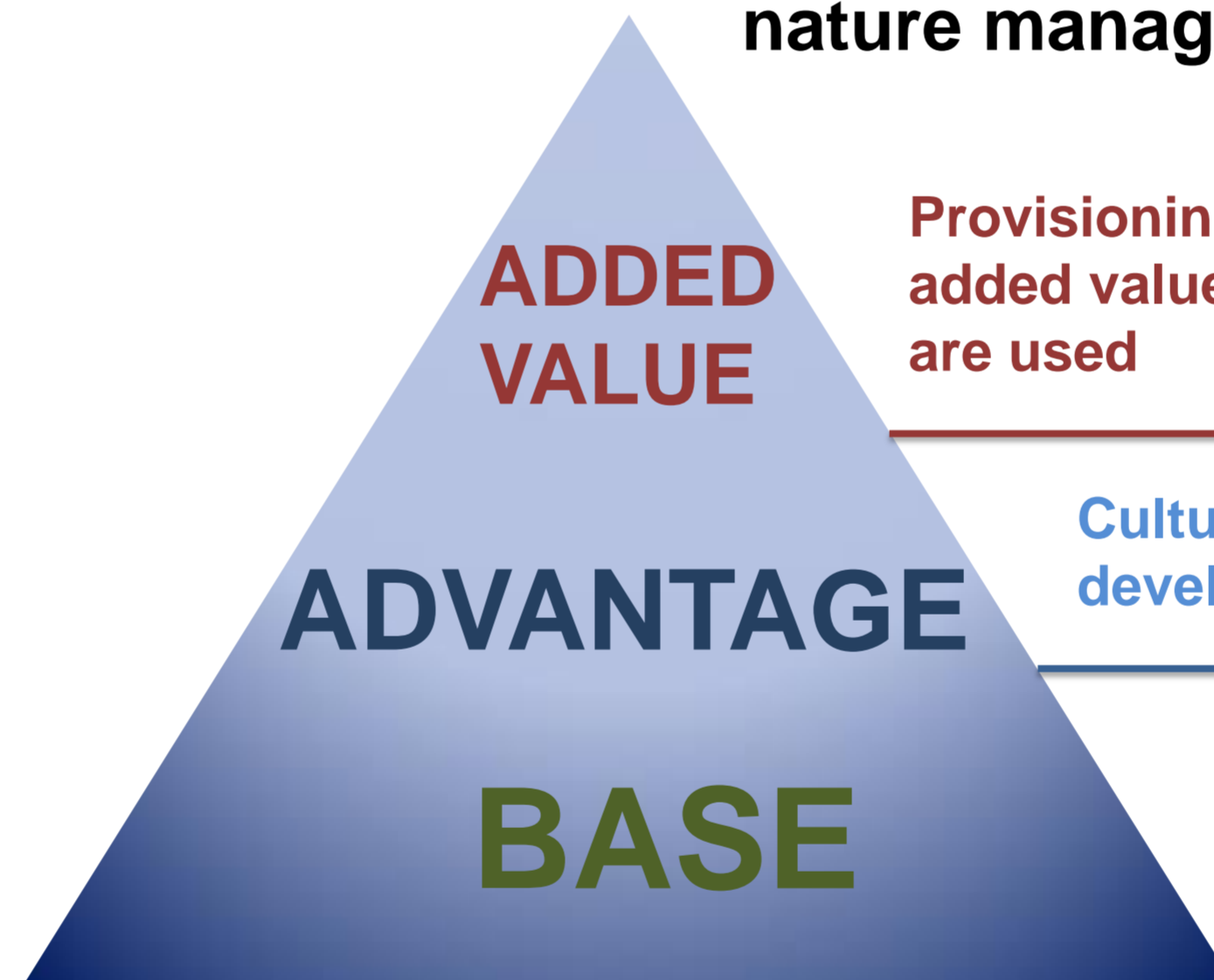


Implementation of the most sustainable development scenario – creation of the Nature Design Park



Educational, innovative, sustainable and multi-functional environmental design objects, information boards were developed to regulate the flow of visitors and to educate on nature value

Recommendations for coastal areas development and nature management planning



Provisioning services ensured by forests – added value each time when cultural services are used

Cultural services – advantage for economic development

Regulating and maintenance services ensured by forests and dunes – base for society safety and possibility to use cultural services

Prioritization of ES for Latvia coastal areas

ES assessment applying in planning documents – Nature Conservation Plans (NCP) of specially protected nature territories of Latvia

ES identification

Updating of legal base

- ✓ ES are defined as a part of specially protected area's nature values basic information;
- ✓ Nature values maps include maps of ES provided by area as well

ES valuation

Elaboration of NCP

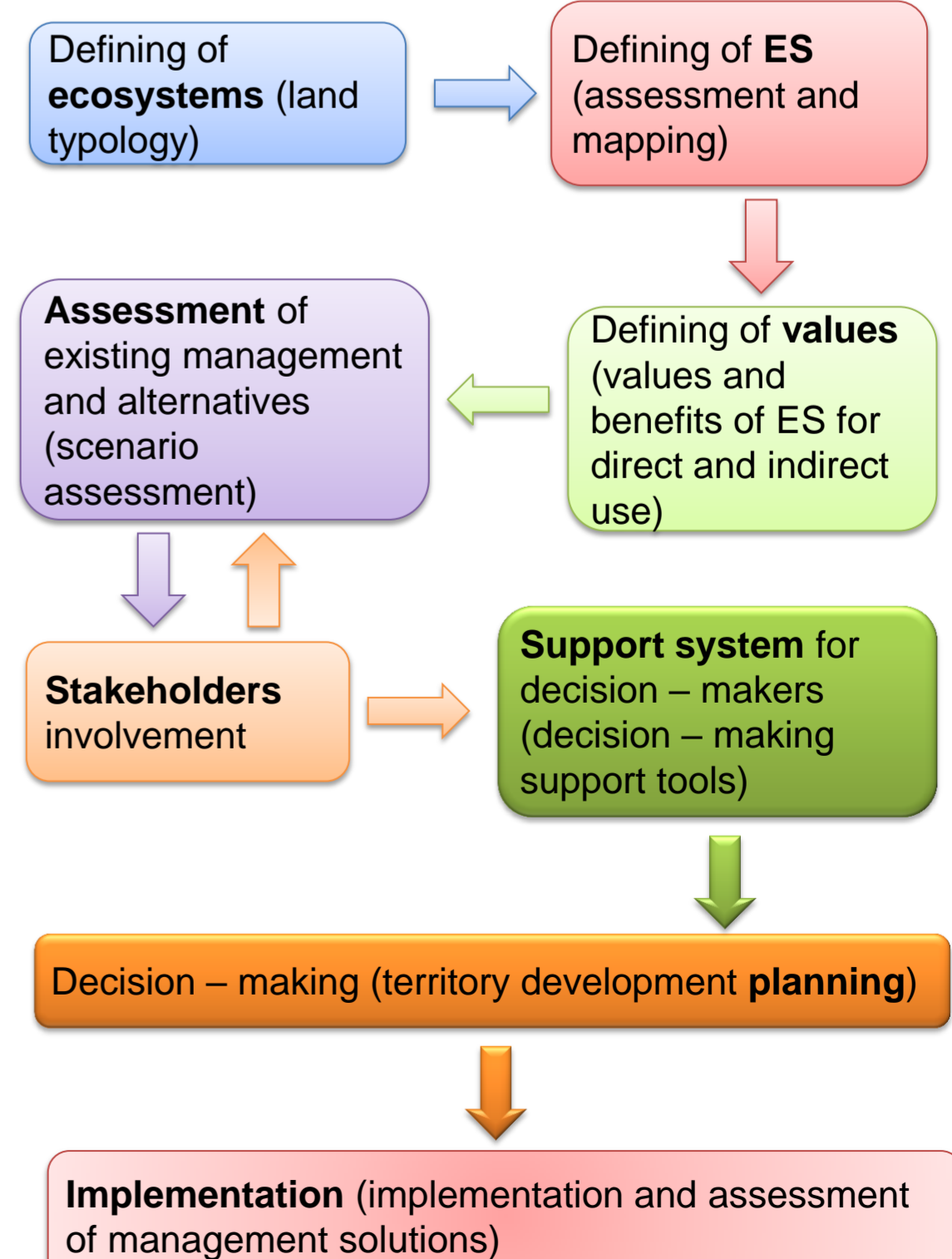
- ✓ Necessity for ES identification and mapping defined in updated legal base;
- ✓ Socioeconomic valuation of nature values means ES assessment methods using

ES assessment results

Elaboration of NCP

- ✓ Applying for NCP objectives (both long and short term) defining and justifying;
- ✓ Applying for concrete conservation action justifying;
- ✓ Applying for justification of proposals for changes in municipalities spatial plans/specially protected nature territory zoning/ specially regulations of using and management of specially territory

ES approach in the territorial planning and management process



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