



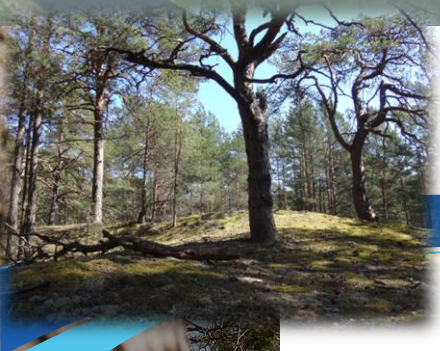
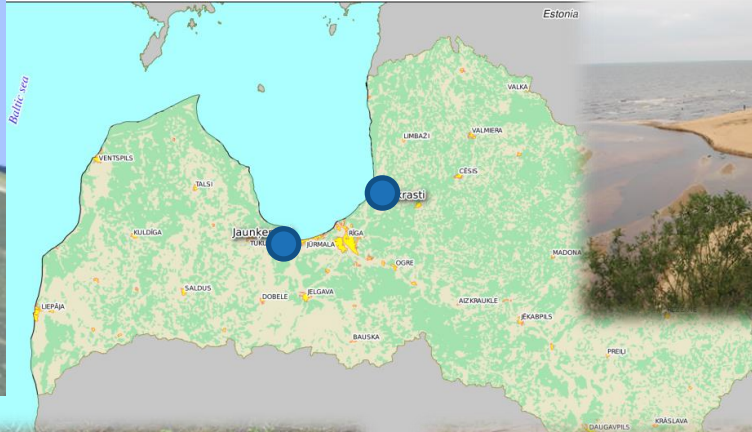
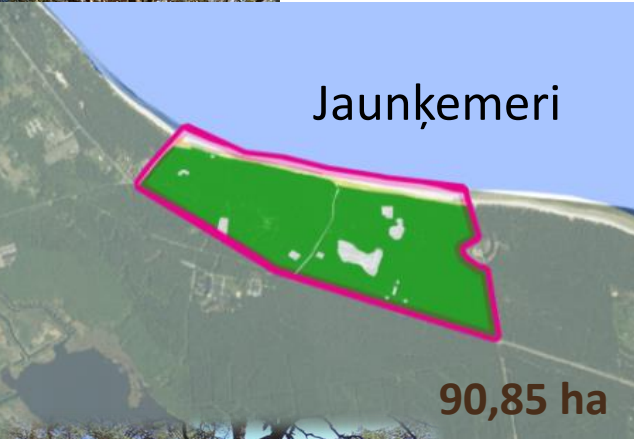
# Economic valuation of ecosystem services for implementation areas

**LIFE Platform meeting on Ecosystem Services**  
**10-12 May 2017, Sokos Hotel Viru, Tallinn, Estonia**  
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# Project implementation areas





# Why economic valuation?

- Ecosystem values are measures of how important ecosystem services are to people – what they are worth.
- Monetary unit is used as a common metric to compare aspects of wellbeing



<https://ensia.com/voices/nature-priceless-value/>

Widely recognized, comparable to other services  
Easily incorporated into decision-making





# Ecosystem valuation methods used

collection  
of  
primary  
data

aggregation,  
comparative  
assessment of  
secondary data

ecosystem  
services  
indicators

EUR/ha per year





# Ecosystem valuation methods used

## Valuation method

Benefit transfer

Market price

Travel cost

Contingent valuation

## Ecosystem services

Provision (wild berries; fishing; wood; medical plant)

Regulation (erosion control; noise reduction; Flood protection; Storm protection; pollination; water quality)

Cultural (Active and passive recreation; environmental education; cultural heritage; Aesthetic landscape attractiveness)





## Market price method

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Price data are relatively easy to obtain;  
The method uses standard, accepted economic techniques.

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Limited number of goods and services;  
Seasonal variations and other effects on prices need to be considered

Geospatial unit	Area, ha	Potential wild berry harvest, kg/ha	Wild berry harvest, kg	EUR (10EUR/kg) 2015.g. prices	EUR/ha
Wooded coastal dunes, middle-aged and mature forest	3.8	286	1086.8	10868.0	<b>2860.0</b>



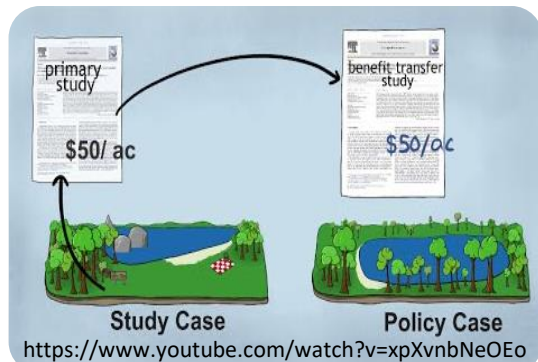
Photo:A.Soms





# Benefit Transfer method

TEEB (*The Economics of Ecosystems and Biodiversity data base*)



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Good studies for the policy or issue in question may not be available; Benefit transfers can only be as accurate as the initial value estimate

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Less costly;  
More quickly;



Photo:A.Soms





## Travel costs method



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Actual people behaviour;  
Relatively inexpensive to apply;  
Opportunities for large sample sizes

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The value of the site may be overestimated;  
Defining the value of time spent traveling

Medical plants

Bird watching

Active and passive recreation

Environmental education

Cultural heritage

The cultural visual identity









# Thank you!



<http://ekosistemas.daba.gov.lv>



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