



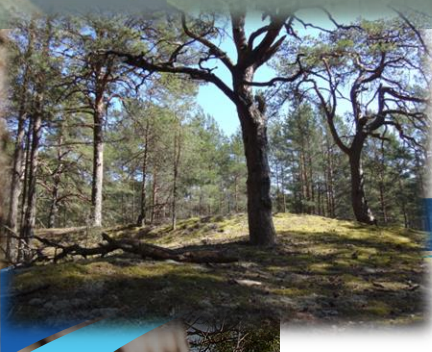
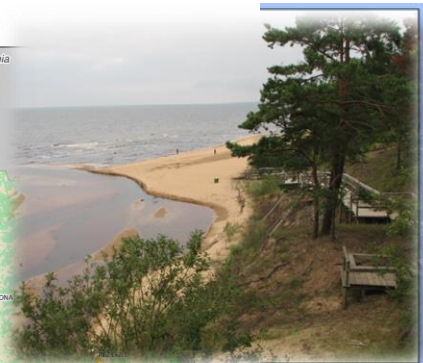
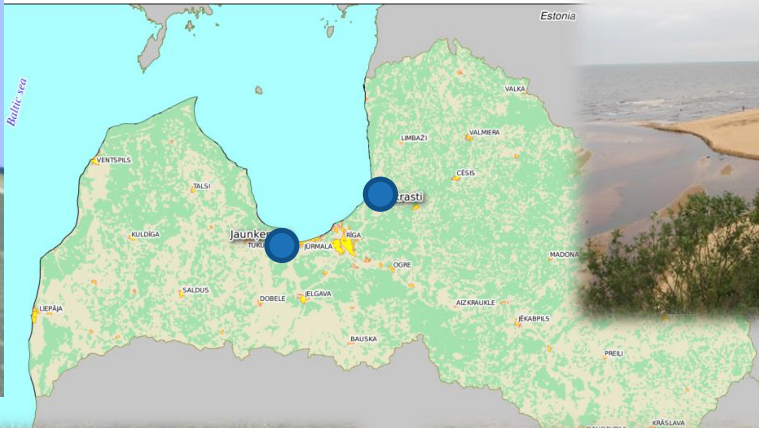
# Economic valuation of ecosystem services for implementation areas

**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 welfare



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

Widely recognized, comparable to other services





# 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.

-

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	2860.0



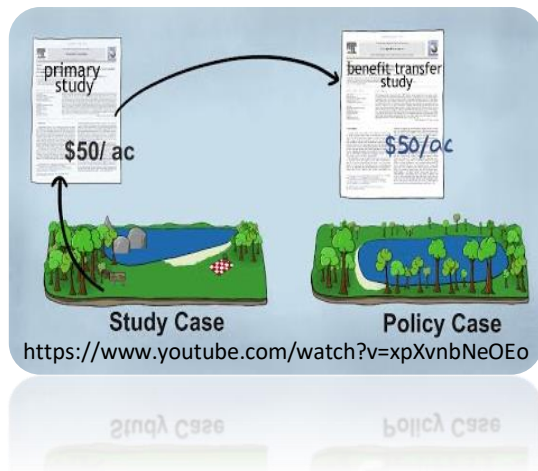
Photo:A.Soms





# Benefit Transfer method

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



+  
Less costly;  
More quickly;

-  
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





## Travel costs method



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

-

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