

Project introduction

"Increasing awareness and propagation of functions of forests in landscape and in-nature riverbeds in urban environment as a component of ecosystem drainage basin service".

Jiří Schneider, Ph.D. (Project leader)

Project overview

Duration of project implementation:

16. 1. 2015 – 30. 9. 2016

Grant provider: European Economic Area Foundation

Programme: CZ02 - Biodiversity and ecosystem services/ Monitoring and integral planning and inspection of the environment/
Adaptation to climate changes

Project applicant:

Mendel University in Brno

- Faculty of Regional Development and International Studies
- Training Forest Enterprise Masaryk's Forest K5tinz

Project overview

- The project focuses on the increase of public awareness of the importance and value of functions of forests and in-nature riverbeds in urban areas.
- This is to be achieved by aims and outputs of this project - popular science books presenting information not only in texts but also using extensive photo documentation.
- The project will provide a basement not only to general public, but also to professionals - practical engineers, public service and scientists.
- For this purpose we are preparing international scientific conferences and scholarly seminars. Travelling photo exhibitions will serve as a complementary popularizing factor.

Target groups

- Researchers
- Public administration
- Professionals
- Students
- General public



RaFA – 3 project topics

Forest functions and ES



RaFA – 3 project topics



Importance of urban rivers

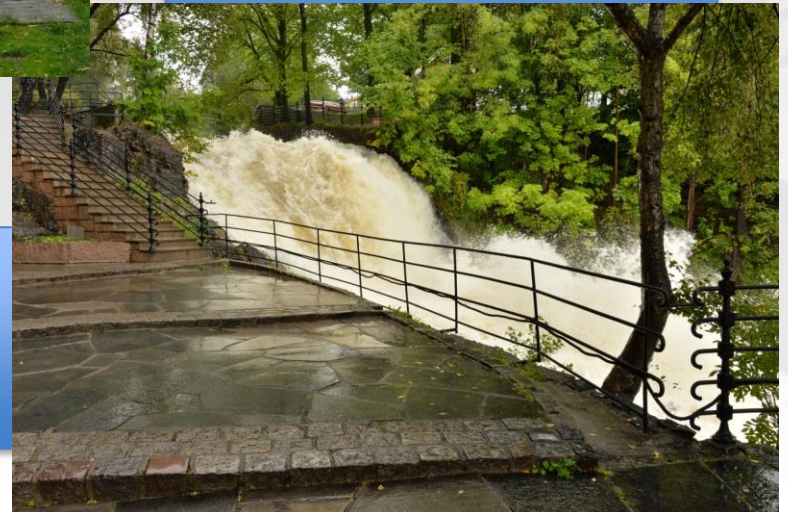


RaFA – 3 project topics

TFE ML Křtiny



RaFA – Norwegian experiences and partnership



RaFA – Norwegian experiences and partnership

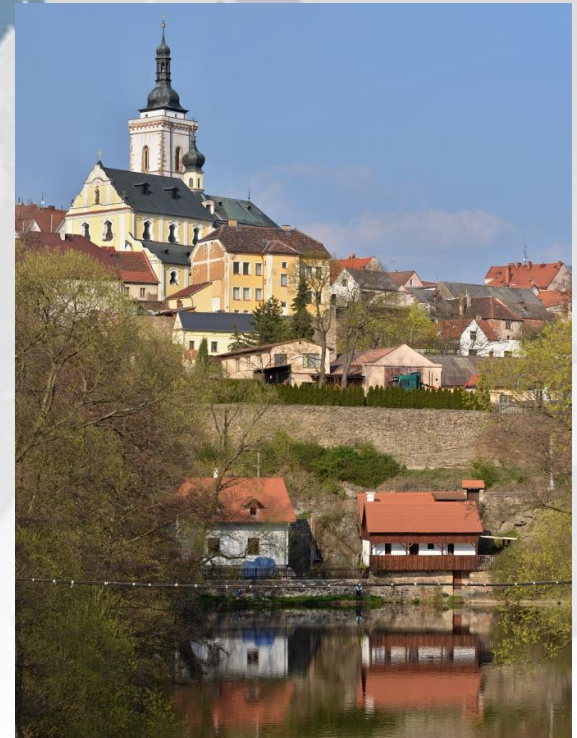
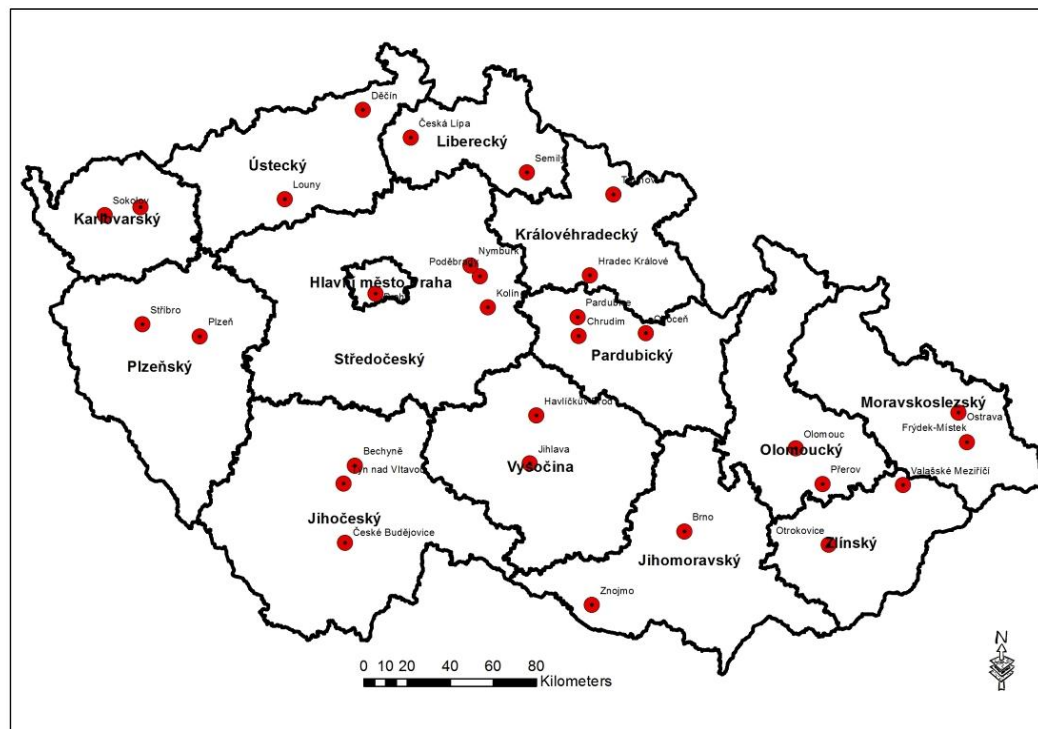
Integrating natural capital and ecosystem services into urban management and planning



Case 03 Valuation of urban ecosystem services in Oslo

Rivers in the cities

- The project consists of three areas.
- The first one is **field mapping of condition of recreation potential of rivers in 30 cities in the Czech Republic.**



Rivers in the cities



Rivers in the cities

Activities

1) Mapping and valuation of recent character of watercourses and river spaces within urban area

Focused on

- Natural segments and items
- Recreational infrastructure and mobiliary

2) Questionnaire survey

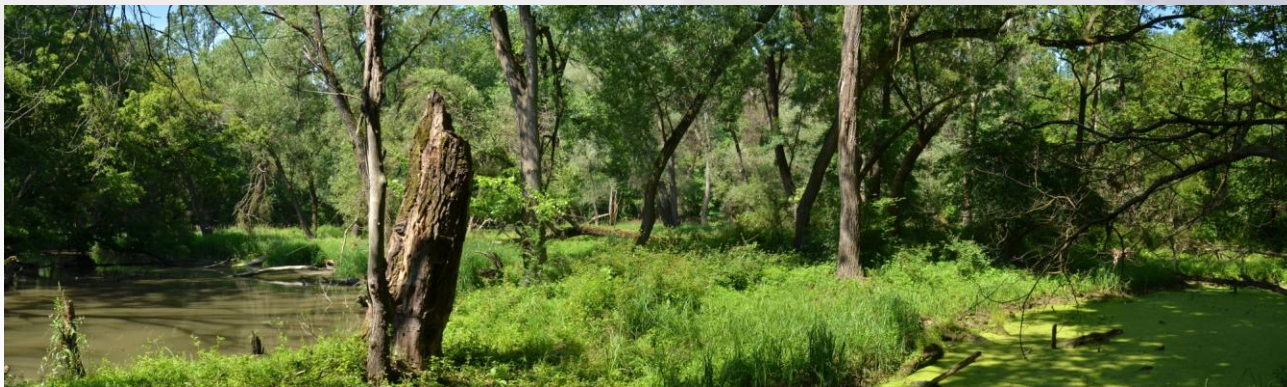
Focused on

- perception of urban river space and revitalisation changes

Forest functions

Activities

- 1) Mapping of forest functions within representative scale of natural conditions of the Czech Republic
- 2) Questionnaire survey
Focused on
 - public perception of different forest stand and forest management



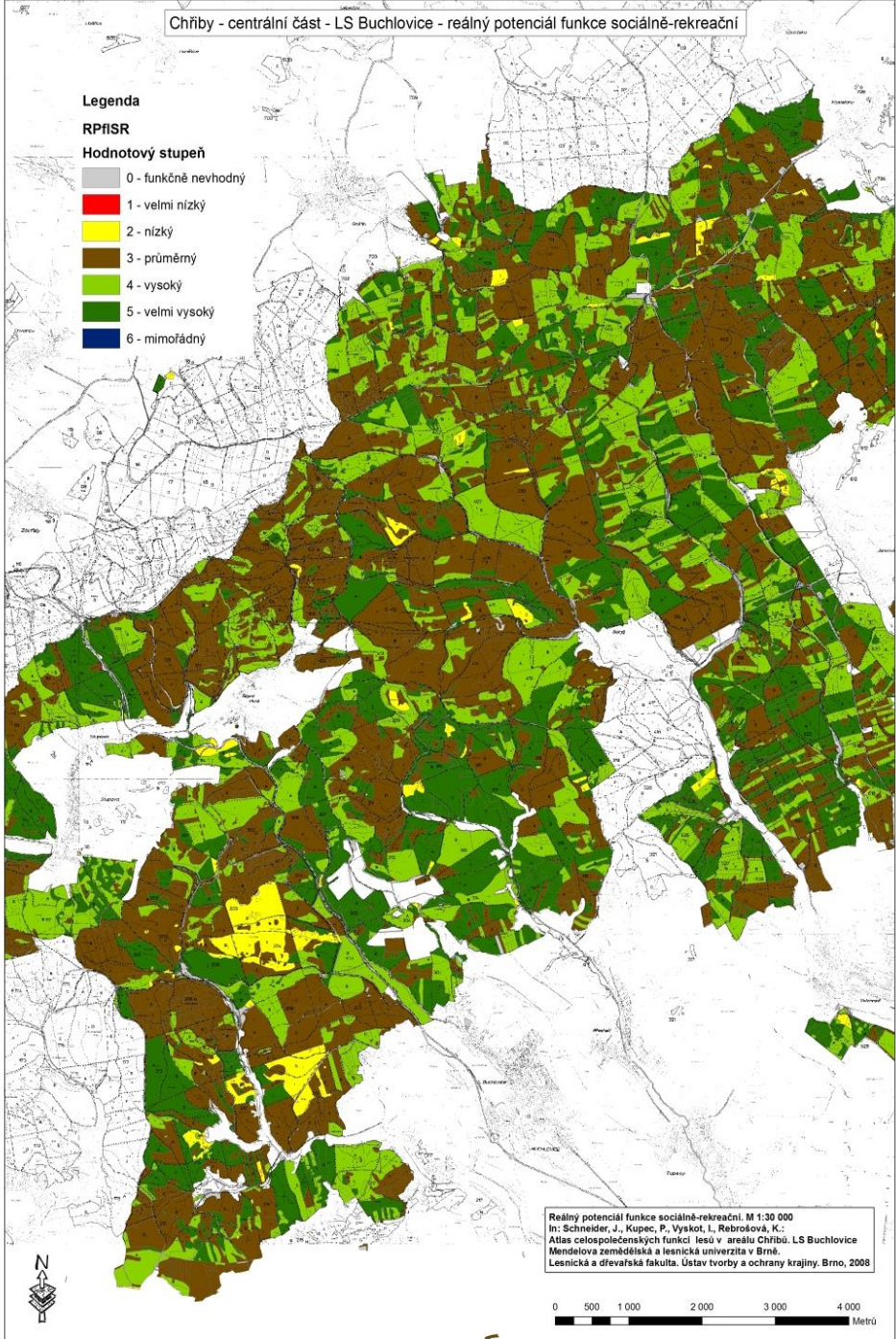
Chřiby - centrální část - LS Buchovice - reálný potenciál funkce sociálně-rekreační

Legenda

RPfISR

Hodnotový stupeň

- 0 - funkčně nevhodný
- 1 - velmi nízký
- 2 - nízký
- 3 - průměrný
- 4 - vysoký
- 5 - velmi vysoký
- 6 - mimořádný



Reálný potenciál funkce sociálně-rekreační. M 1:30 000
In: Schneider, J., Kupec, P., Vyskot, I., Rebrošová, K.:
Atlas celospolečenských funkcí lesů v areálu Chřibů. LS Buchovice
Mendelova zemědělská a lesnická univerzita v Brně,
Lesnická a dřevařská fakulta. Ústav tvorby a ochrany krajiny. Brno, 2008

0 500 1000 2000 3000 4000
Metř

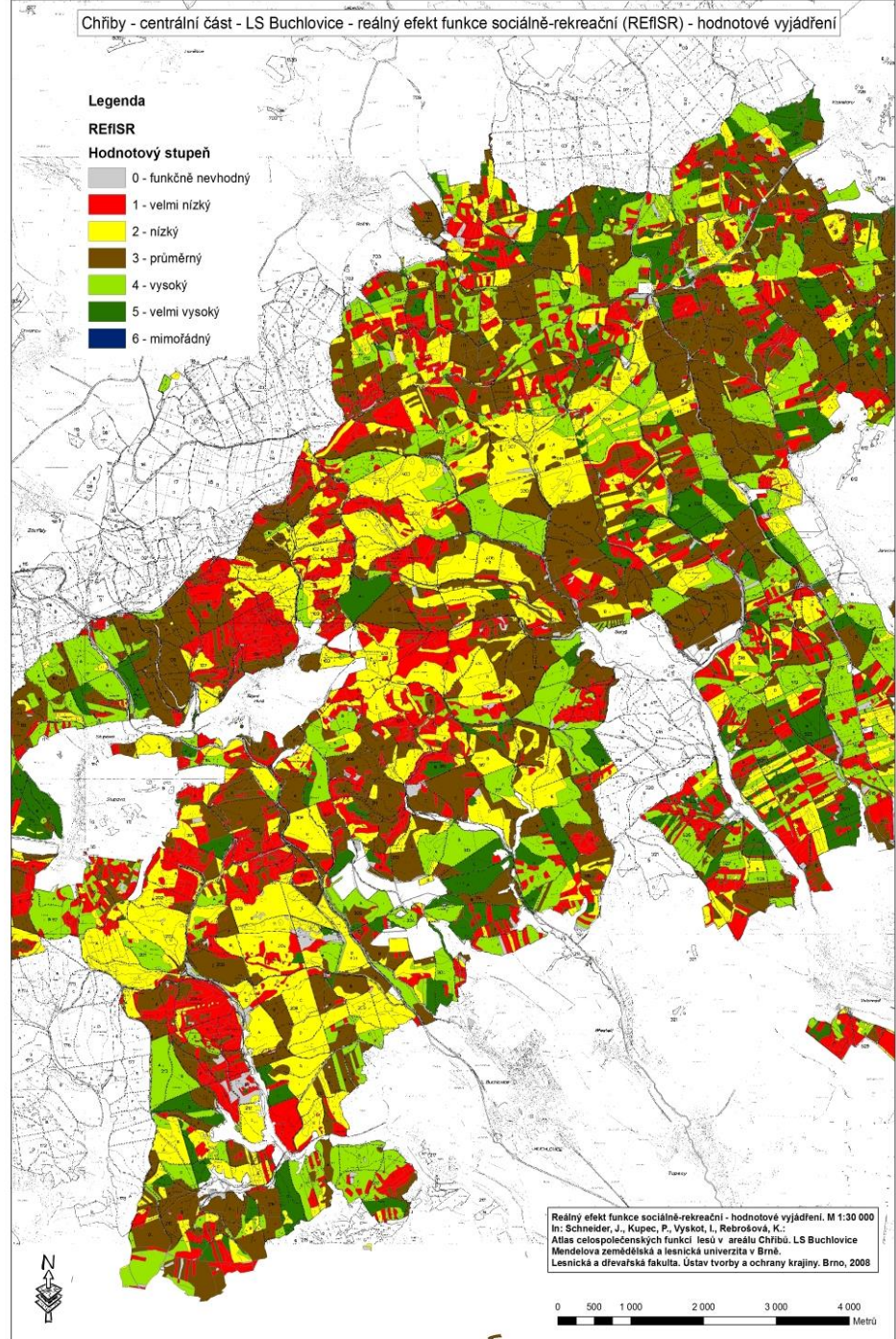
Chřiby - centrální část - LS Buchovice - reálný efekt funkce sociálně-rekreační (REfISR) - hodnotové vyjádření

Legenda

REfISR

Hodnotový stupeň

- 0 - funkčně nevhodný
- 1 - velmi nízký
- 2 - nízký
- 3 - průměrný
- 4 - vysoký
- 5 - velmi vysoký
- 6 - mimořádný



Reálný efekt funkce sociálně-rekreační - hodnotové vyjádření. M 1:30 000
In: Schneider, J., Kupec, P., Vyskot, I., Rebrošová, K.:
Atlas celospolečenských funkcí lesů v areálu Chřibů. LS Buchovice
Mendelova zemědělská a lesnická univerzita v Brně,
Lesnická a dřevařská fakulta. Ústav tvorby a ochrany krajiny. Brno, 2008

0 500 1000 2000 3000 4000
Metř

Forest functions

- **The functions of forest and their promotion is demonstrated on eight working plan areas representing a wide range of natural and production conditions of forest in the Czech Republic and social demands on them.**
- Both issues will be complemented with questionnaire surveys on awareness and perception of general public environmental, social and economic aspects.



Training Forest Enterprise Masaryk's Forest Křtiny

- The third part focuses on **functional integrated production in the forests of Training Forest Enterprise Masaryk Forest Křtiny and presentation of its role in regional development.**



Training Forest Enterprise Masaryk's Forest Křtiny

- TFE MF Křtiny is not only a significant forestry production unit, but also a natural part of the entire region - it is an important economic element, it increases the recreation potential of suburban recreation areas of Brno, Blansko, Adamov, it takes care of forests in the Protected Landscape Area Moravský Kras and last but not least it participates on regional development of active cooperation with MAS Moravský Kras (local action group).



Project outputs



Rivers in the cities:

- A popular non-fiction book
- DVD
- International academic conference
- Scholarly seminar
- Themed photography exhibition
- Expert lecture



Functions of forests:

- A popular non-fiction book
- International academic conference
- Scholarly seminar
- Themed photography exhibition
- Expert lecture



Training Forest Enterprise

- A popular non-fiction book
- DVD
- Scholarly excursions

Project information

- <http://rafa.frrms.mendelu.cz/en/?lang=en>

Photogalery

- <https://www.zonerama.com/rafa2015>

Raising awareness and publicity of the importance of forest functions in the landscape and near-natural watercourses in urban areas as a part of basin ecosystem services



[Main page / Useful links](#)

[Main page](#)

[Project overview](#)

[Project team](#)

[Project outputs](#)

[Intermediate results](#)

[Events](#)

[Useful links](#)

[Photo gallery](#)

[Sitemap](#)

[Contact](#)

OVERVIEW OF ORGANISATIONS, INSTITUTIONS AND THEIR WEBSITES, DEALING WITH ECOSYSTEM SERVICES

ECOSYSTEM SERVICES IN GENERAL

- Millenium Ecosystem Assessment
- The Ecosystem Services Partnership
- ValuES Methods Database
- The ecosystem valuation toolkit
- Convention on Biological Diversity
- WAVES -Wealth Accounting and Valuation of Ecosystem Services
- SEEA - System of Environmental-Economic Accounting
- CICES - The Common International Classification of Ecosystem Services
- TEEB - The Economics of Ecosystems and Biodiversity
- TESSA - Toolkit for Ecosystem Service Site-Based Assessment
- Vista Anlyse
- OpenNESS project - Operationalisation of natural capital and ecosystem services
- BESAFE project -- Biodiversity and ecosystem services
- IPBES -- Intergovernmental platform on biodiversity and ecosystem services
- Classifying Ecosystem Services By: Roy Haines-Young and Marion Potschin, University of Nottingham
- OPERA project - Operational Potential of Ecosystem Research Applications
- SPIRAL -- Interfacing biodiversity and policy

EU AND ECOSYSTEM SERVICES

Supported by grant from Iceland, Liechtenstein and Norway:



Project photogallery

<https://www.zonerama.com/rafa2015>




Zonerama Co je Zonerama Prozkoumat Přihlásit se Vytvořit účet

rafa2015
rafa2015.zonerama.com | 49 | 2745 | 1729

Sledovat 3

blízkých koryt vodních toků v městském



hejná alba


Conference Functions o...
5. - 8. 4. 2016 | 149 | 236



Seminář - Funkce a eko...
23. - 24. 3. 2016 | 68 | 56



Lesy - Přírodní park B...
27. 3. 2016 | 47 | 15



Frydek-Místek - Ostravice
21. 7. 2015 | 40 | 14

Jihlava - Jihlava
26. - 27. 4. 2015 | 41 | 16

Zonerama Co je Zonerama Prozkoumat Přihlásit se Vytvořit účet

Norway-Oslo-Urban space ecosystem services
od rafa2015 | 15. - 16. 9. 2015 | 59 | 30

Oblíbit 0



Books and DVD

- **Urban rivers and their role**
- **Forests, forestry and forest functions and their importance**
- **Training school enterprise Masaryk's forest Křtiny**

Books and DVD

Urban rivers and their role

- General importance of rivers in landscape. Mutual relations between rivers and their catchments
- Urban rivers – urbanism and spatial planning
- Flood control
- Water-management legislation
- Economy of river management
- Revitalisations of watercourses
- Recreational potential of rivers in general

Books and DVD

Urban rivers and their role

- Recent state of river space in 30 Czech cities
- Public perception of role of rivers in the cities and awareness about revitalisation
- Experiences from Norway



Books and DVD

Forests, forestry and forest functions and their importance

- Explanation of basic terms – differences among FOREST x FOREST ECOSYSTEM x FOREST STAND; AFFORESTATION x DEFORESTATION etc.
- Development of forest stands
- Forestry disciplines – a short introduction
- Different approaches to forest management
- Economy of forest managements
- Forest functions and ecosystem services – production, utilisation, benefits

Training school enterprise Masaryk's forest Křtiny

- Introduction
 - Environmental conditions
 - Economical characteristics
 - History
 - Forest Management
- The Forestry Pantheon
- Visitors behavior
- Recreational role of forests and infrastructure



Scheduled events and dates within the project

International science conferences

- ✓ Rivers in the cities 19.4. - 22.4. 2016
- ✓ Functions of forests in the system of ecosystem services
5.4. – 8.4. 2016

Expert seminars

- ✓ Rivers in the cities 28.4. - 29.4. 2016
- ✓ Functions of forests in the system of ecosystem services
23.3. – 24.3. 2016

Photography exhibition

- ✓ Rivers in the cities march-april 2016
- ✓ Functions of forests in the system of ecosystem services
march-april 2016



THANK YOU FOR YOUR ATTENTION