

## WELCOME

“Best practice examples on land use and nature protection compatible renewable energy projects in the Alpine region”

Alpweek: 12 of October 2016, 14.00-15.30h

A project under the German presidency  
of the Alpine Convention 2015/16



# Welcome and Programme

## Welcome

- Georg Hellmich, Federal Ministry for Economic Affairs and Energy (BMWi)
- Martin Waldhausen, Federal Ministry for the Environment, Nature Conservation, Building and Nuclear Safety (BMUB)

## Programme

- Nina Kuenzer, blue! advancing european projects

# Programme

14.00 Welcome & Programme

14.15 Plenum Session I: Presentation of the study on land use and nature protection compatible renewable energy project in the Alpine region:  
Background, Methodology, Key-findings and Conclusions  
*Contractors of the project*



## 14.35 Interactive Session: Future Labs:

### Aim of the Future Labs:

- To discuss together in small groups based on best practice examples.
- To jointly elaborate what are the success factors for nature protection and avoiding land use conflicts when implementing RE best practices.

- 1) Bioenergy: horse manure fermentation plant Reichersbeuern (DE):  
*Stefan Drexlmeier, General Manager Energiewende Oberland*
- 2) Hydroelectric power plant: Gögenalmbach – Ahrntal (IT):  
*Norbert Kirchler, Göge Energie GmbH*
- 3) Combined Technologies: Alpine hut-Ostpreußenhütte (AT):  
*Cornelius Chucholowski, Chairman DAV section Königsberg*
- 4) Smart Grid and Storage System: Smart Operator Schwabmünchen (DE):  
*Roland Dölzer, Project Manager Lechwerke AG*

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## 15.20 Plenum Session II: Lessons Learnt

*Moderators of the future lab sessions*

## 15.30 End of the Session

## Best practice examples on land use and nature protection compatible renewable energy projects

Contractors of the project:

Nina Kuenzer, blue! advancing European projects

Karin Svadlenak-Gomez, Research Institute of Wildlife Ecology, Vetmeduni Vienna

Jakob Dietachmair, CIPRA International

Roberto Vaccaro, EURAC Research



# Overview

- 1) Background
- 2) Methodology
- 3) Key-findings and Conclusions

# Background: Aim & Outline

**AlpWeek**  
Alps & People  
11 – 15.10.2016 | Grassau, Germany

Regional  
development  
opportunities

Avoiding  
land use  
conflicts

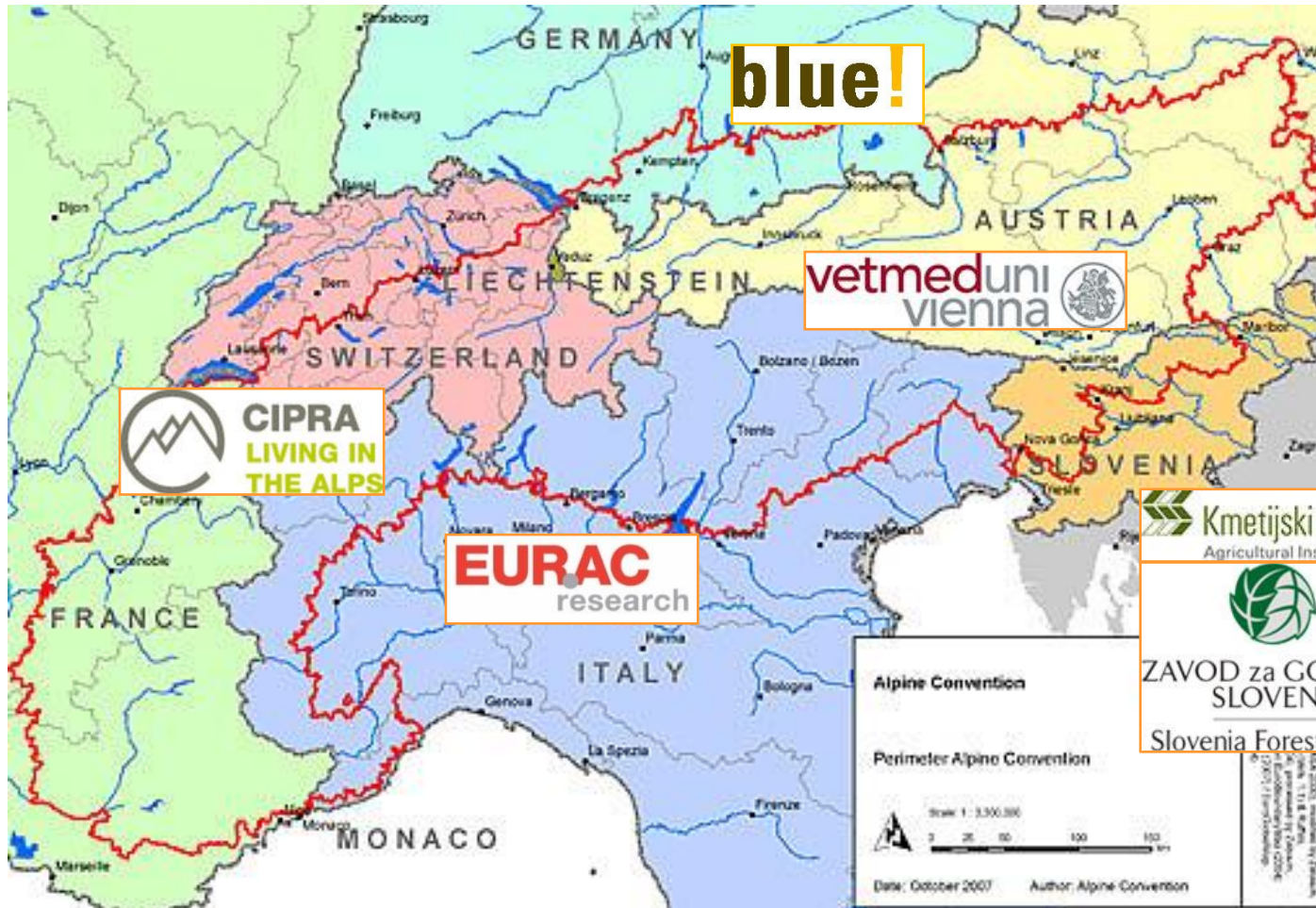
Identify renewable energy projects in the Alpine region that illustrate how nature protection concerns can be dealt with and how land use conflicts can be avoided.



Photo Friedrich Böhringer (Creative Commons)



# Background: Partnership



# Methodological Approach

## Main focus of selection:

- Innovative, forward-looking and viable renewable energy BPs
- Renewable energy examples from all energy sources
- Smart Grid and energy storage examples
- Examples needed to demonstrate:
  - Compatibility of RE production and nature protection & avoiding land use conflicts
  - Involvement of relevant stakeholders, local population & participatory approach
  - Economically viable in the long-term
  - Innovative and efficient technologies
  - Successful implementation (as opposed to pure research projects)
  - Model function, i.e. easily imitable aspects

# Methodological Approach

## Elaboration of guiding questions

- Interview guide with guiding questions
- Guiding questions based on sustainability dimensions: ecological, social, economic
- Focus on ecological dimension incl. nature protection and land use conflicts

# Methodological Approach

Elaboration  
of guiding  
questions

Desk  
research &  
peer review

- Literature analysis
- Implemented international to regional projects such as recharge.green, AlpStar, C3Alps, cc.alps
- Online-Databases such as European Energy Award, Bavarian Energy Altas

# Methodological Approach

Elaboration  
of guiding  
questions

Desk  
research &  
peer review

**Quantitative  
Interviews**

- Interviews with Alpine experts to receive general feedback on possible best practices
- Involvement of different stakeholder groups
- Qualitative interviews with stakeholders from identified examples: operators, municipalities
- In total ~90 interviews

# Methodological Approach

## Elaboration of guiding questions

- Interview guide with guiding questions
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## Desk research & peer review

- Literature analysis
- Implemented international to regional projects such as recharge.green, AlpStar, C3Alps, cc.alps
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## Quantitative Interviews

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best practice examples

# Methodological Approach

## What to take into consideration?

No ranking-  
consideration of  
different technologies  
& framework  
conditions

Transferability of  
techniques, strategies  
& approaches

Positive feedback, but  
not all examples had  
the willingness to be  
included

Including the wider  
Alpine area

# Key-findings & Conclusions



Environment, Nature Conservation,  
Building and Nuclear Safety

for Economic  
and Energy



# Key-findings & Conclusions

- Increasing the use of renewable energy in the Alpine region, while preserving nature and avoiding land use conflicts is possible!
- Needs of nature protection and various forms of land use can be satisfied regardless of the RE technology.
- Successful implementation not only depends on the RE technology, but also on regional circumstances, such as natural environment, political situation, funding schemes or public opinion.

# Key-findings & Conclusions

- Varying RE technologies and regional circumstances but reoccurring conflict and solution strategies, which allow conclusions and recommendations for successful implementation of RE projects:
- ✓ Careful site search and planning process: using sites less close to nature and agricultural areas – preference for already used and less “high-biodiversity” sites
  - ✓ Embedding into local/regional action plans & inter-municipal cooperation
  - ✓ Initiator from the region, participatory approaches incl. all relevant stakeholders and local population
  - ✓ Local operator & independent organisations / civic foundations
  - ✓ Economic participation of local stakeholders and population & local / regional added value

# Interactive Session: Future Labs

## 4 parallel Future Lab Sessions

1

Bioenergy example:  
English

+ translations into  
all languages

2

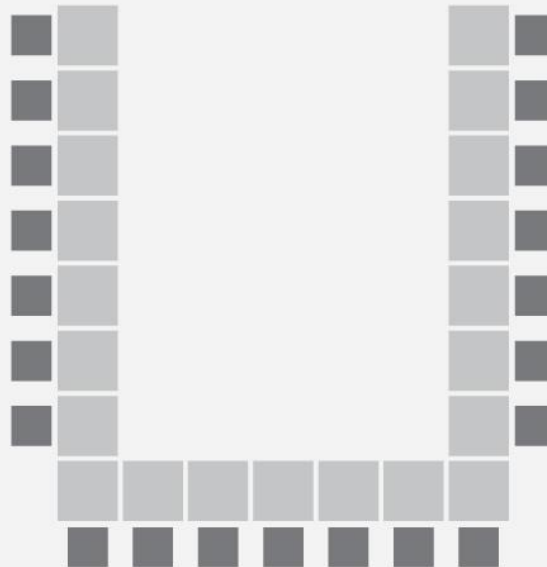
Hydroelectric power  
plant: German/Italian

3

Combined  
Technologies: English

4

Smart Grid & Storage:  
German



## Lessons Learnt

Moderators of the Future Lab Sessions present outcomes

# End of the Session

Thank you for your  
participation!

Enjoy the AlpWeek!

