



Program for revitalization of mires in the Nature Park Erzgebirge/Vogtland



Structure

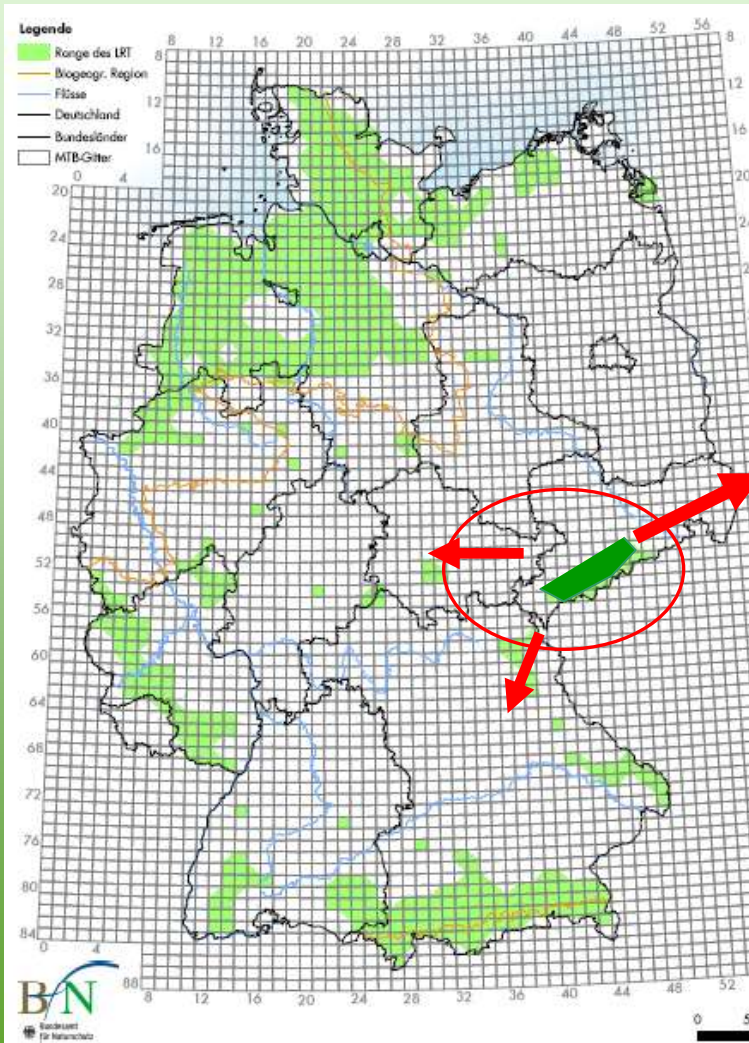
1. How did we start with the mires?
2. Development of theory and practice
3. Current status of the projects



1. How did we start?

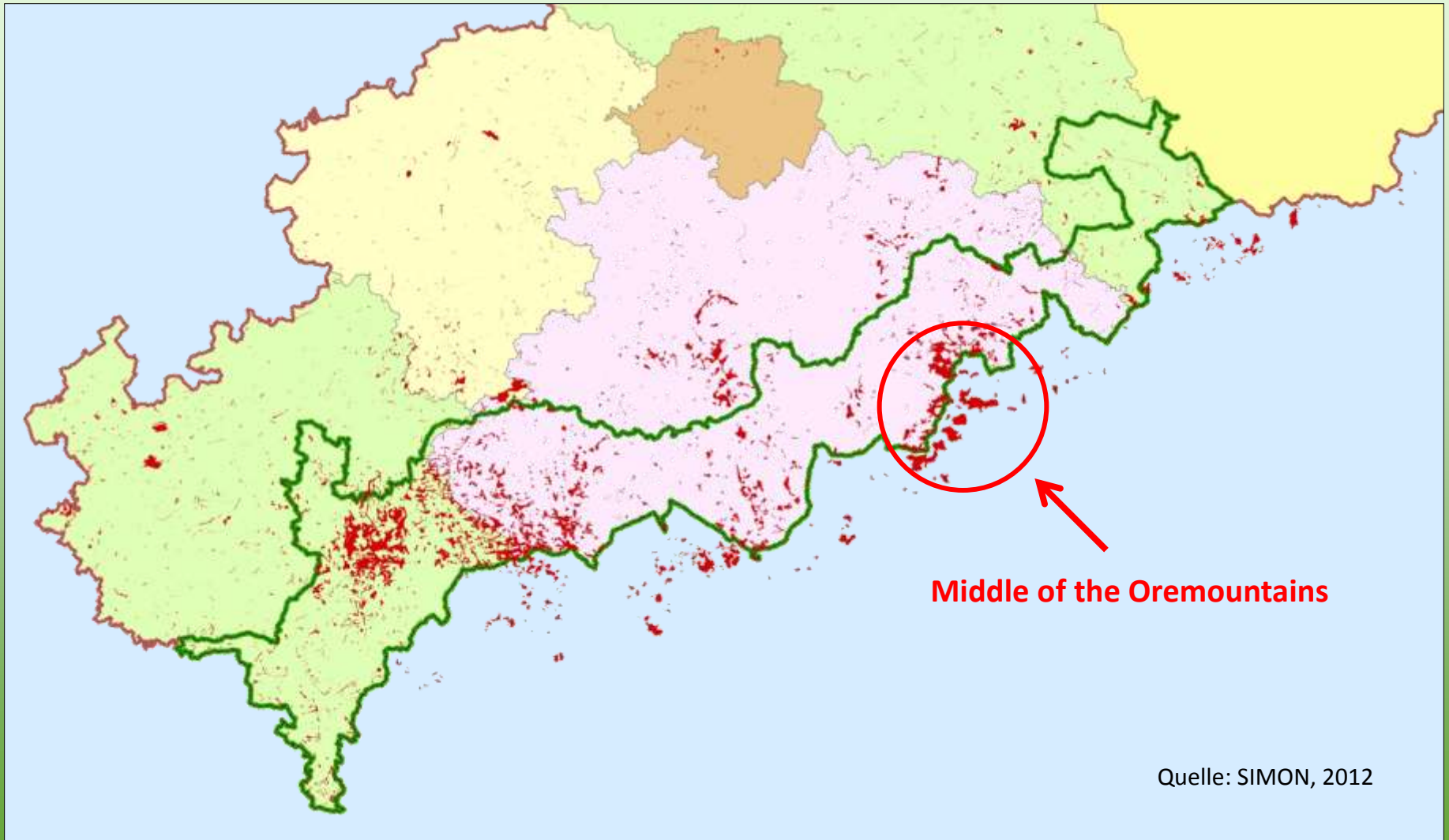


Mires of the Oremountains



- between atlantic and continental climate
- important connection to other mires in Europe
- total area of mires is great, despite smaller single mires
- mires are spreaded over the entire Oremountains

Mires of the Oremountains

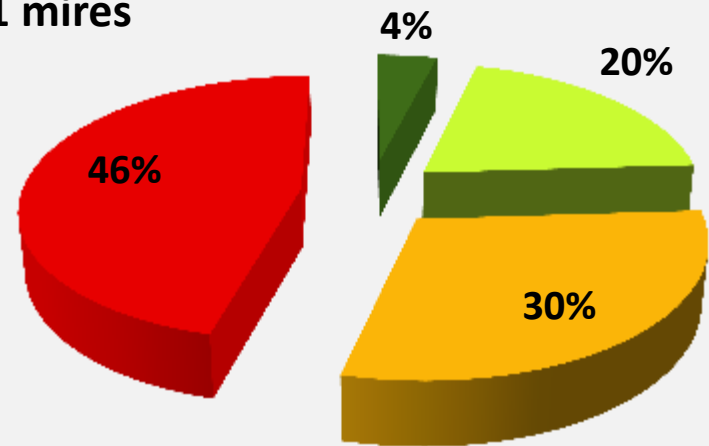


Quelle: SIMON, 2012

Catalog of mires and cutting areas 2000



161 mires



- close to nature to slightly disturbed
- moderately disturbed or good regeneration
- badly disturbed
- completely changed, no bog anymore

Results of the study
Landesschwerpunktprojekt „Erzgebirgische Moore, 2000

The beginning



- requirement of forestry – damming only to the half of the ditches
- mostly a disaster
- only for a short time existing
- not useful in sloping mires with stronger slopes

Od 2001 sheet pile dams & plank dams







S. Bucken

2. Development of theory and practice



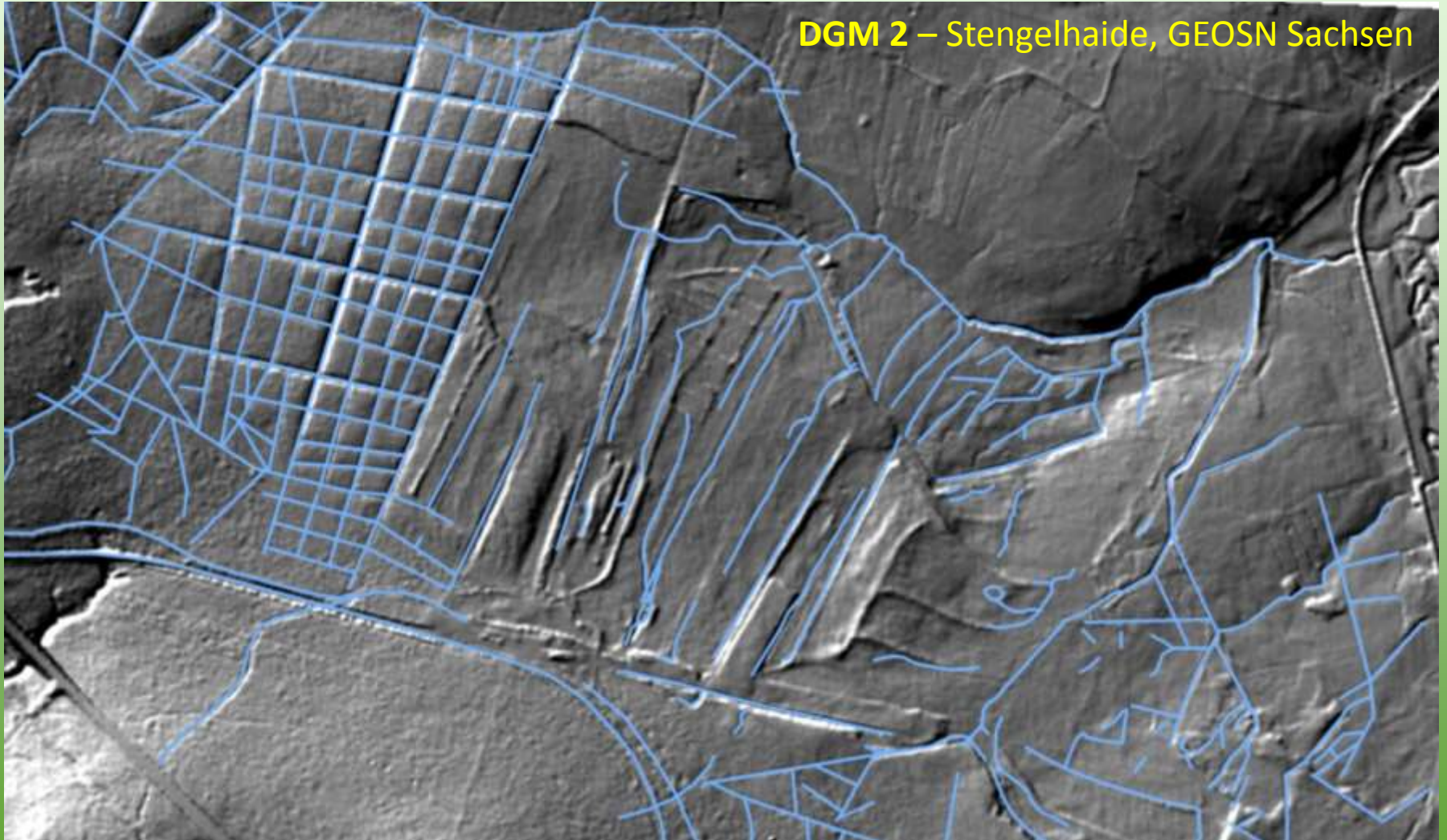
Exploration and planning

- hydrology with measurement
- stratigraphy
- NATURA 2000
- SIMON

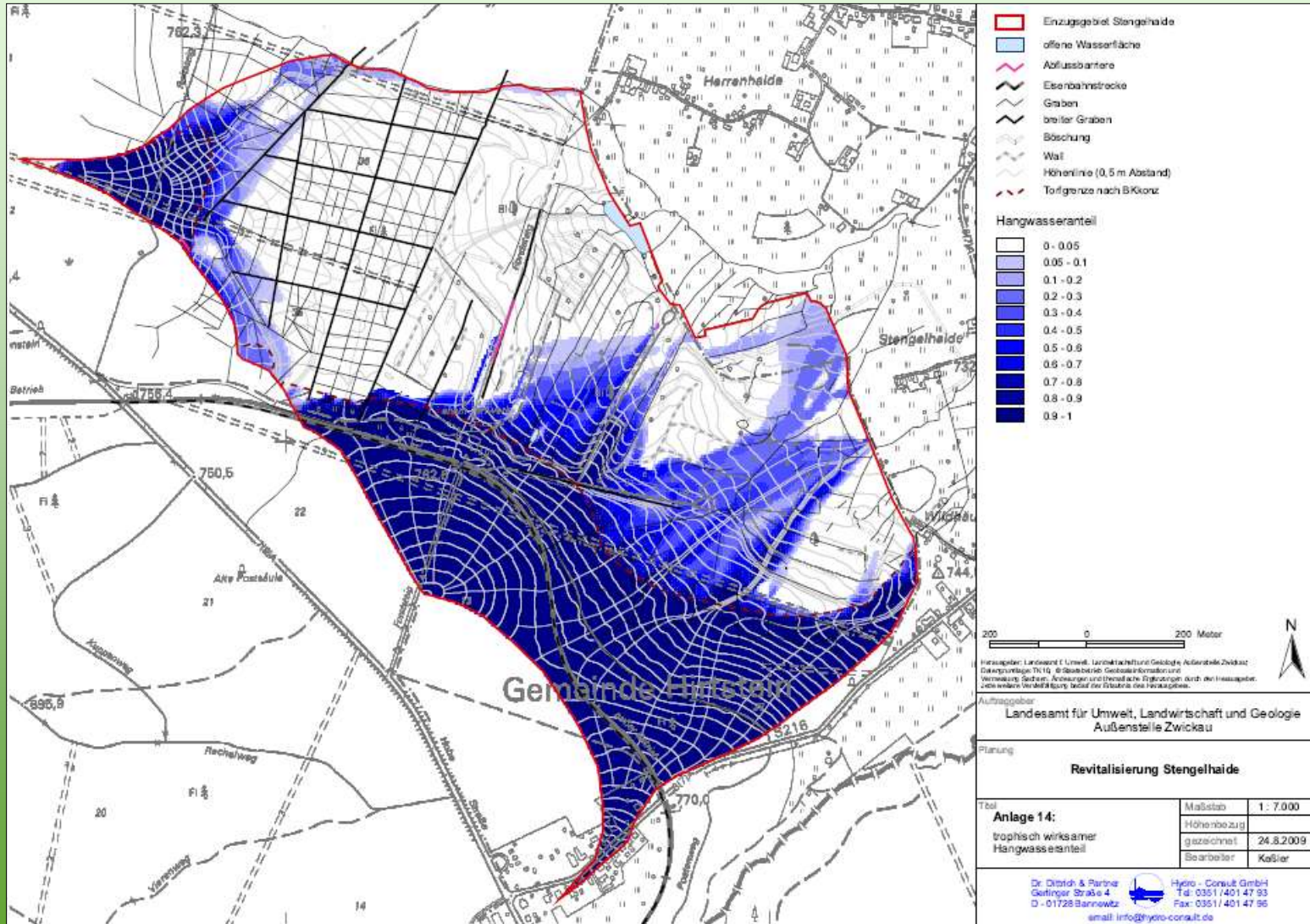


R. Dittrich

Terrain



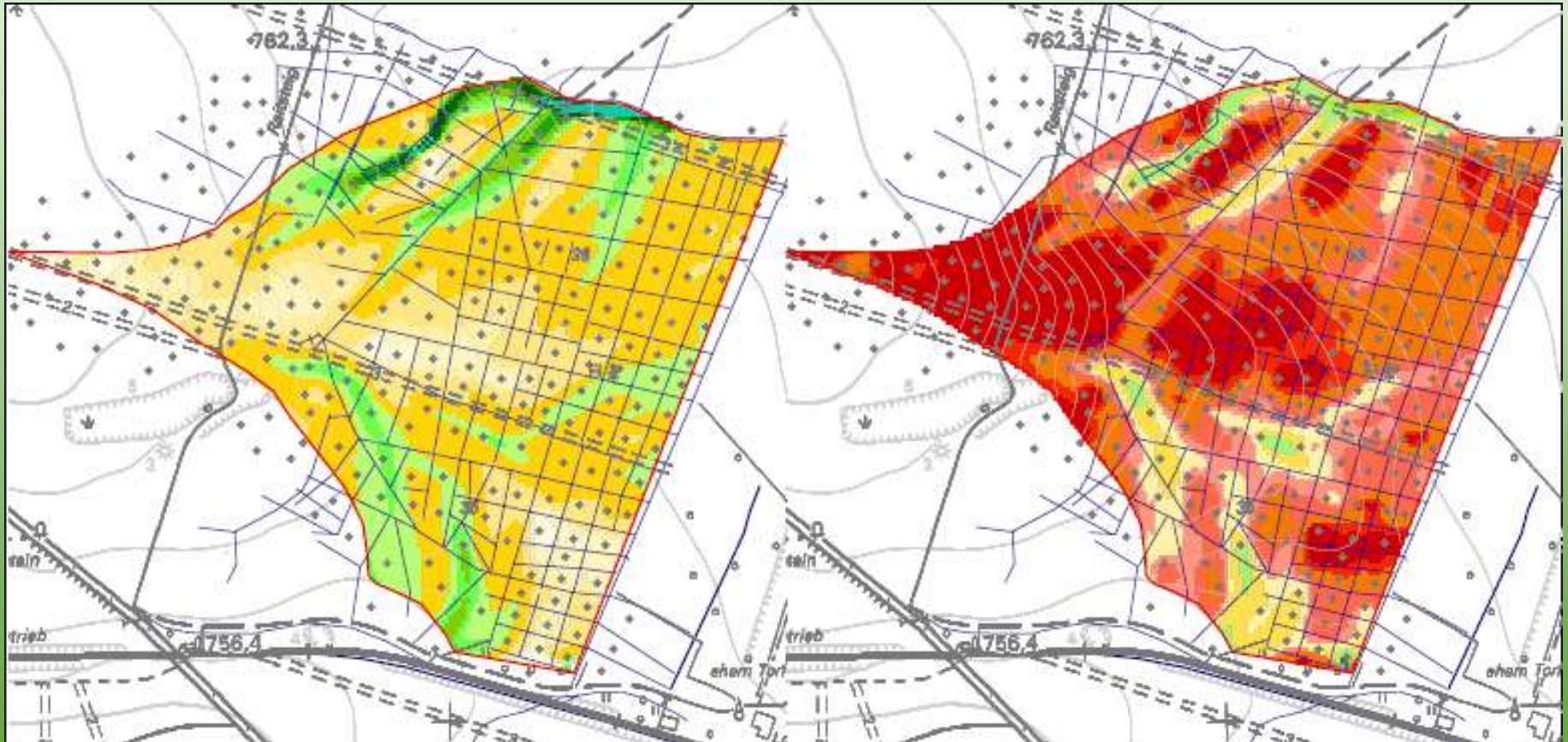
Share of hillside water



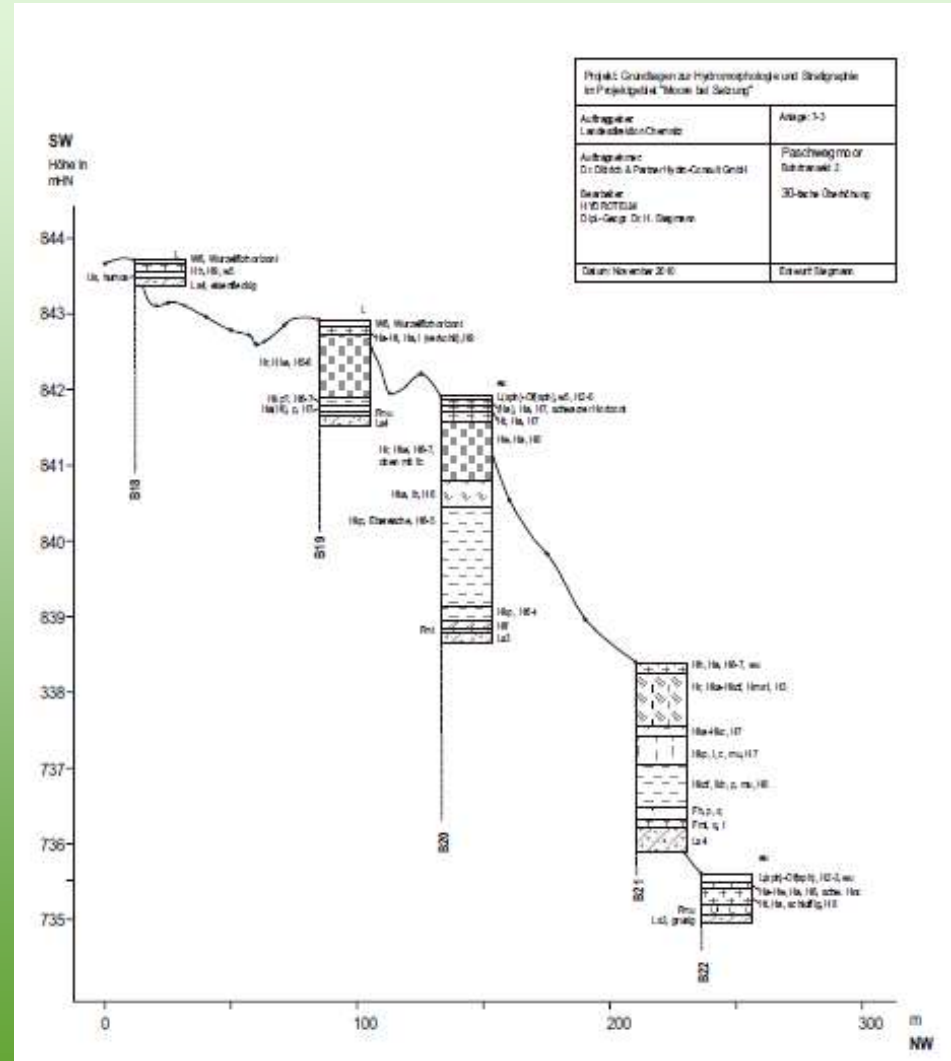
Hydrological calculation

Profile flow (l/s*km)

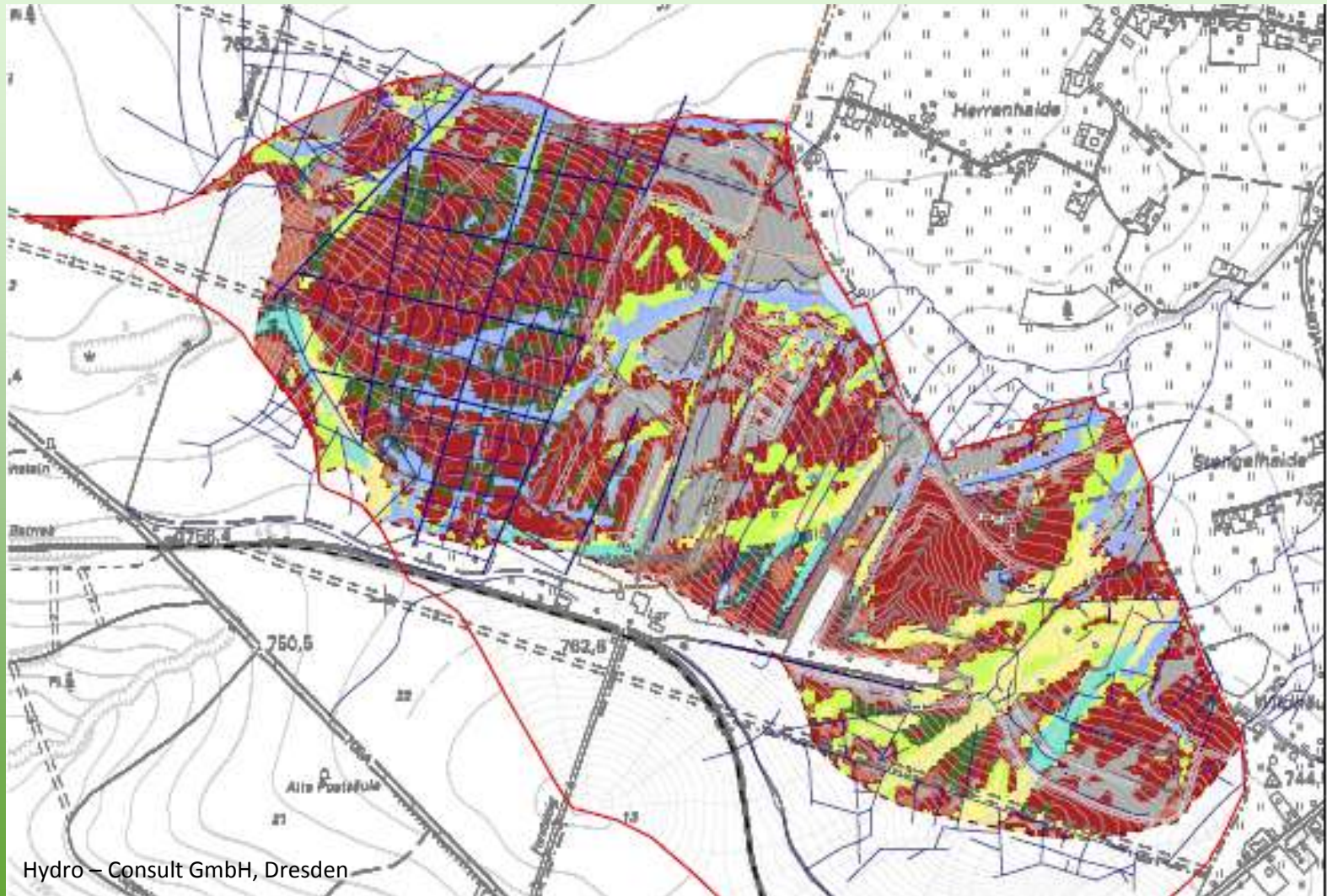
Transmissivity (cm²/s)



Stratigraphy



Forecast for ecotopes



Development of the practical realisation



„New“ practical techniques with excavators

1. filling of the ditches
 - a. dam with peat small
 - b. filling of longer distances
 - c. elimination of the ditch
 - d. dam with peat and tree trunks
2. ditches for draw off



Filling a ditch

- long distances
- material is nearby
- possibility of interruption of the filling
→ chance for plants/
- animals





Dam with peat and tree trunks

- bigger ditches (width, depths)
- greater sloping
- dam of peat is unstable
- for bigger machines the need of free area (6m)



Working within tight place



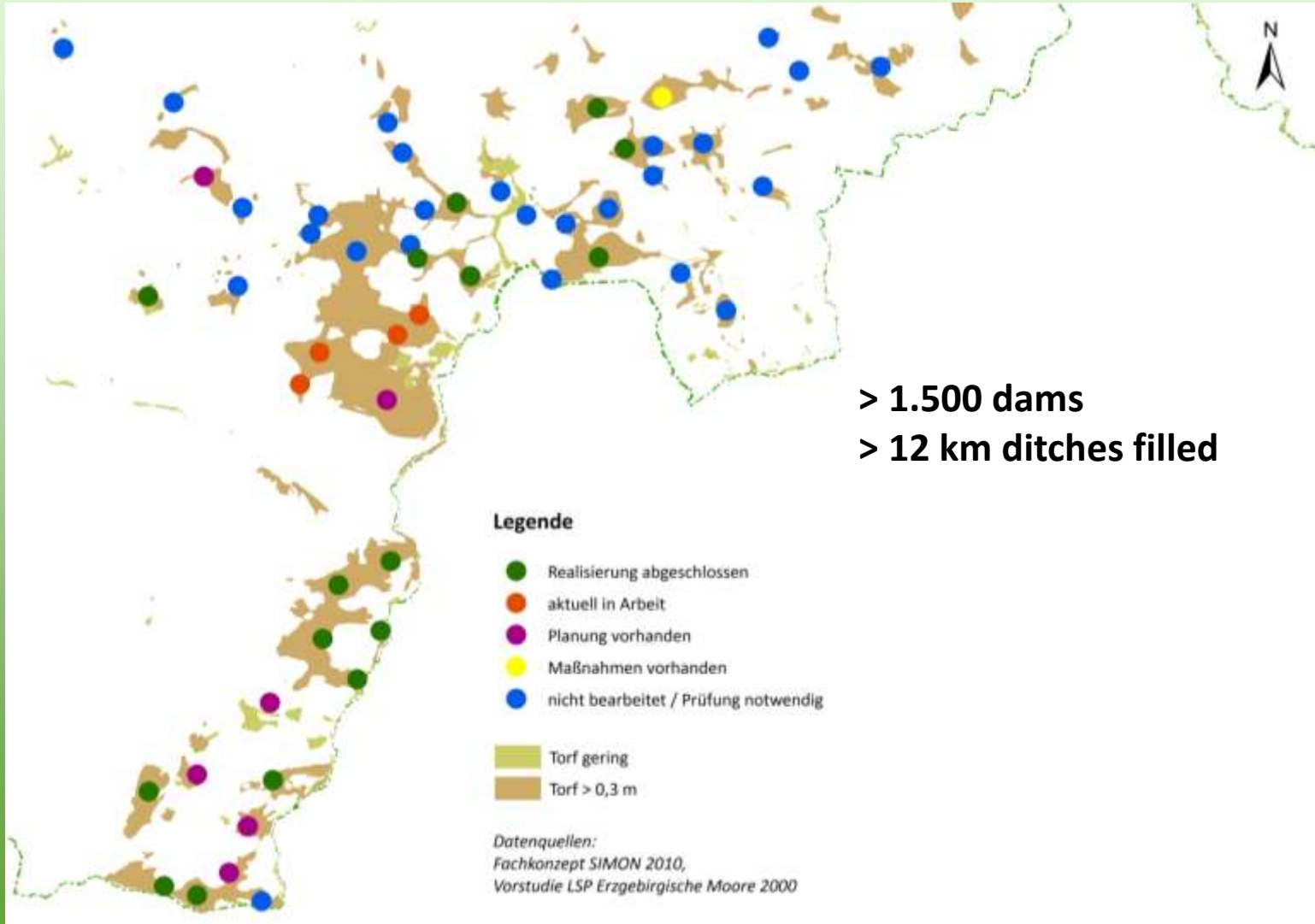
Combination of methods



Combination of methods



3. Current status of projects



Revitalisierung der Moore zwischen Hora Sv. Šebestiána und Satzung

2010 – 2014

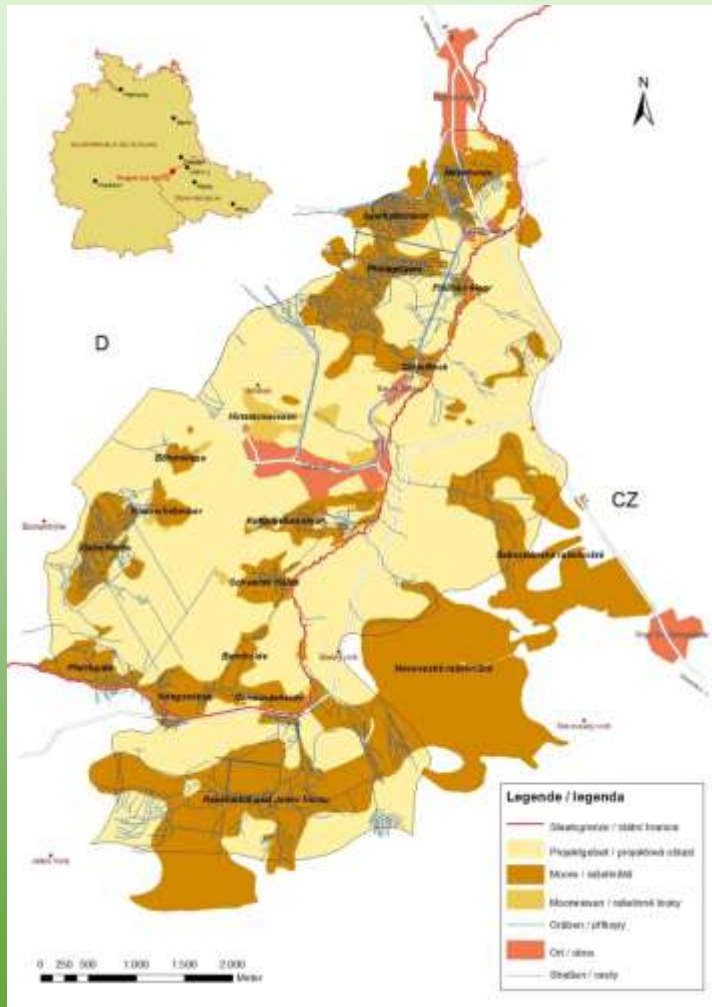
Program: Ziel3/Cíl3

1. part: 2010 – 2012

Leadpartner: Naturpark Erzgebirge/Vogtland
+ 3 partners

2. part: 2012 – 2014

Leadpartner: Staatsbetrieb Sachsenforst,
Forstbezirk Marienberg
+ 5 partners



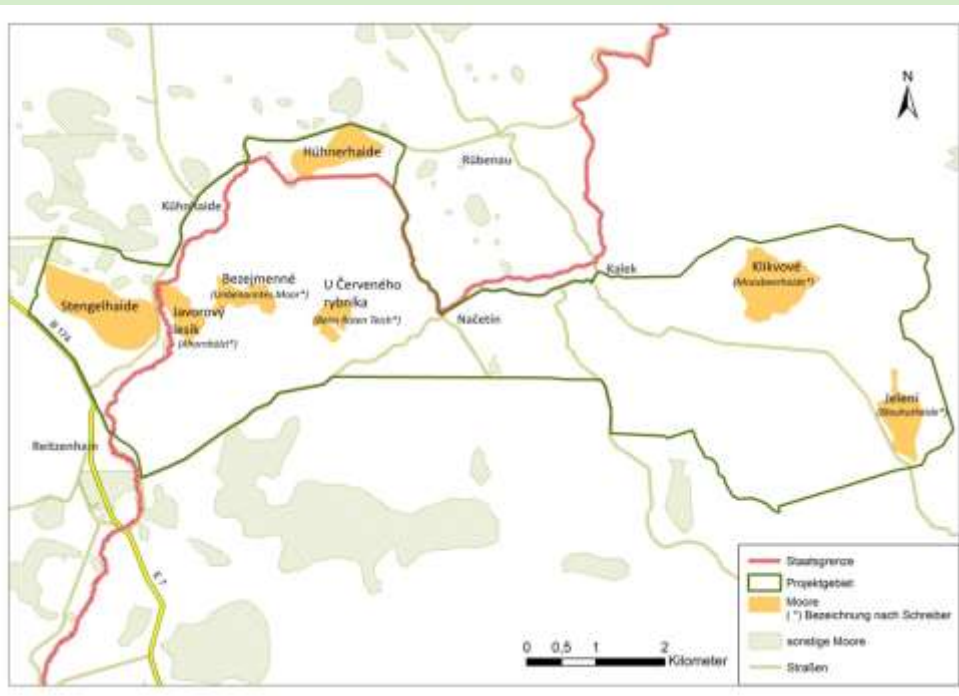
Europäische Union
Evropská unie



Revitalisierung der Moore zwischen Reitzenhain und Kalek im Erzgebirge mit Know how Transfer

2012 - 2015

Program: Deutsche Bundesstiftung Umwelt
Leadpartner: Naturpark Erzgebirge/Vogtland
+ society Amethyst (CZ)



Moorevital 2018 – Fortgesetzter Moorschutz im Erzgebirge

2017 – 2020

Program: Kooperationsprogramm
Freistaat Sachsen – Tschechische
Republik 2014-2020 (SN-CZ)

Leadpartner: Staatsbetrieb
Sachsenforst, Forstbezirk Marienberg
+ 4 partners



Cooperation



Th. Endriß

Difficulties

- **privat land**
- **other forest offices are not amused about wet conditions**
- **„doing things for the sake of doing things“ by persons or societys**
- **problems with the humic substances in the drinking water dams → no permits for restoration of peatlands until now**
- **special requirements of NATURA 2000**
- **less people for manual actions**
- **after a time of 5-10 years the need of corrections and/or supplements of dams**

Monitoring

- proof of effectiveness
- proof of use of finance
- arguments for new projects



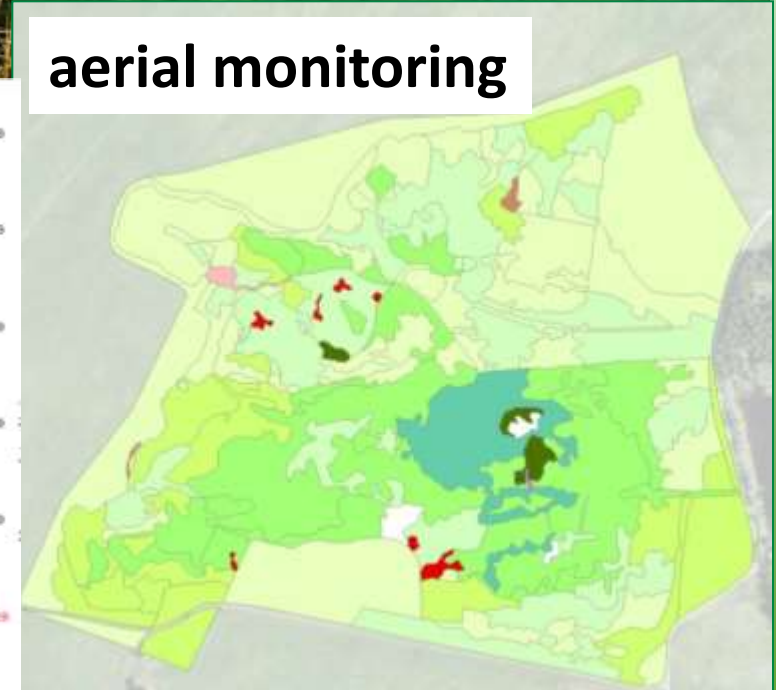
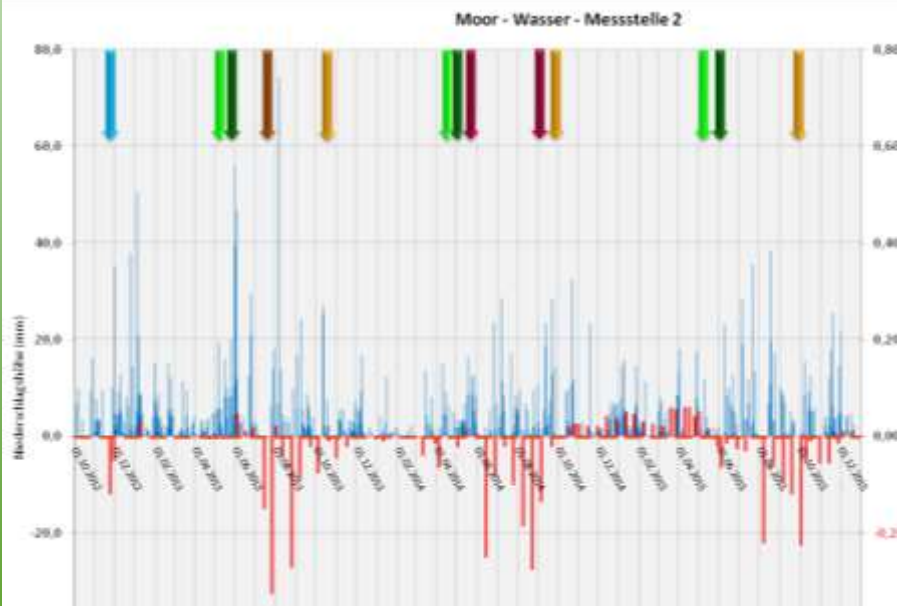
water level



vegetation



aerial monitoring



fotodocumentation



Why are we doing it all?



Conservation of thousands-years-old bogs





08.11.2017

Naturpark "Erzgebirge/Vogtland", A. Haupt

37





Thank you!

**Anke Haupt
Naturpark „Erzgebirge/Vogtland“
++49 (0)3735 6681221
pobershau.naturpark@tira.de**