



Dr. Peter Aurenhammer

# The integrative approach in Bavaria: a successful model for activation of forest owners



## About the initiatives

- supported through the Bavarian Climate Programme
- Forest Initiative East-Bavaria (WIO), Mountain Forest Initiative (BWO), Initiative Future Forest Bavaria (IZW)
- since 2008 about 150 initiatives (as of 2015)
- 47 BWO projects (since 2008), >47,000 ha, ~16 M€ funds from BCP+ 4M€ traditional forest funds, >2,400 measures <sup>1</sup>



<sup>1</sup> StMELF, 2017

## Model approach

- initiatives organized & moderated by the local forest administrations (AELFs)
- AELFs provide funds and employ project managers to coordinate the activities
- establishment of a round table (participatory process) to involve actors is suggested <sup>1</sup>
- ‘adaptation of forests to climate change’ as overarching program goal
- other goals include e.g. to intensify forest management, increase sustainable wood mobilization, intensify forest conversion and/or sustained protective functions <sup>2</sup>

<sup>1</sup> Schreiber et al., 2015; StMELF, 2008

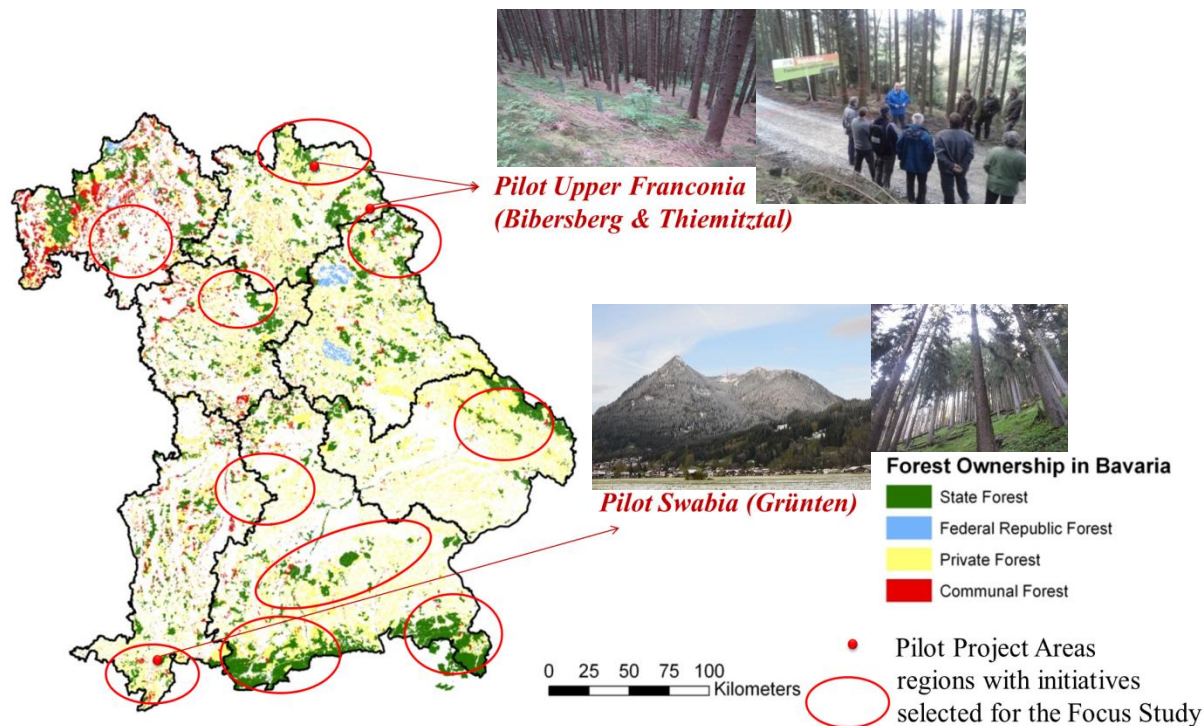
<sup>2</sup> LWF, 2009

## The main paradigm of change:

increased counselling & collaborative action will lead to private forest owners that are more active and motivated in using and managing the multiple benefits of their forests

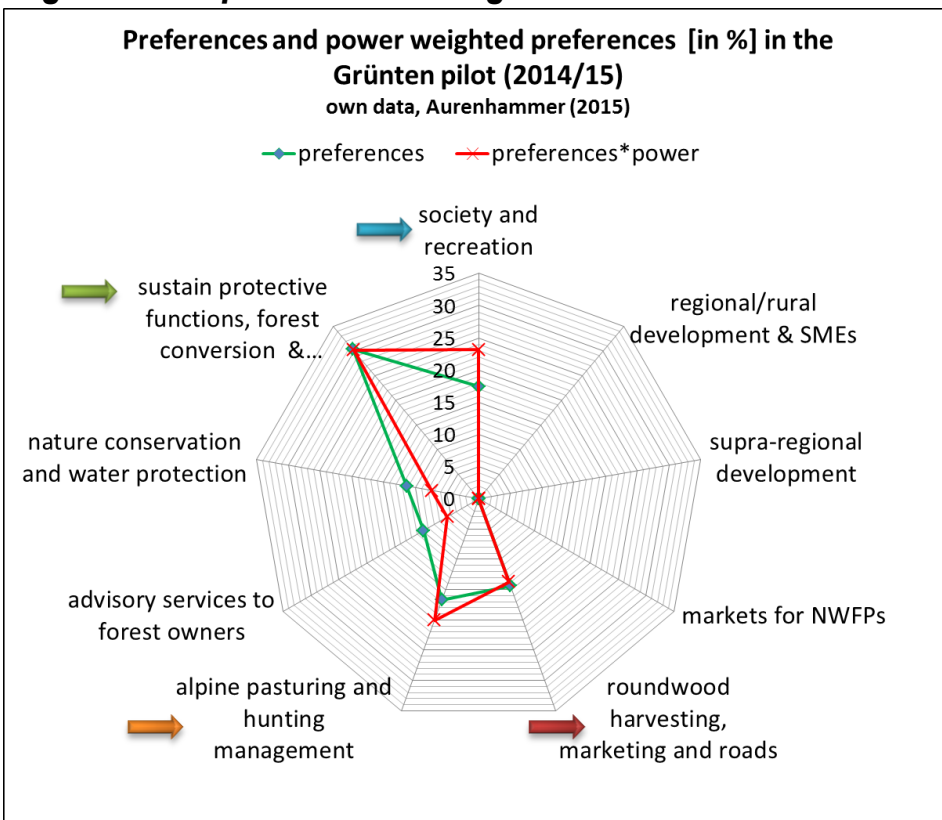
## Initiatives selected for the Focus Study and as Pilots

- 44 initiatives analyzed in the Focus Study
- 2 pilot projects chosen, cover the areas of 3 initiatives, all having a different history



## Goals of initiatives: An integrative approach – for learning ...

Fig. 1: Actor preferences for goals in the PP-Grünten

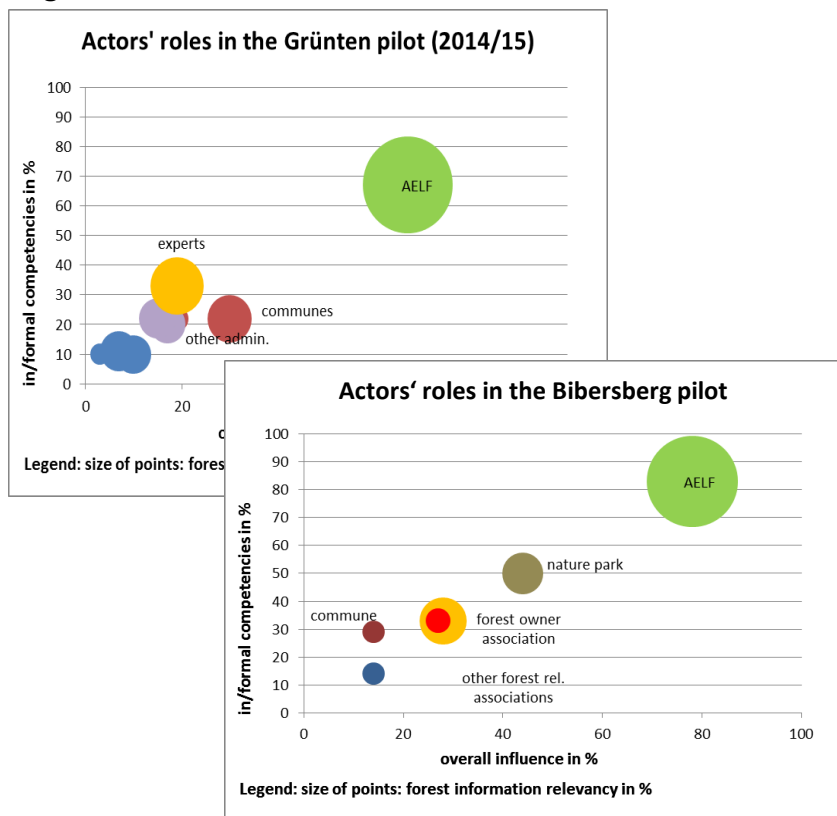


Tab.1: chosen targets in the PP-Grünten

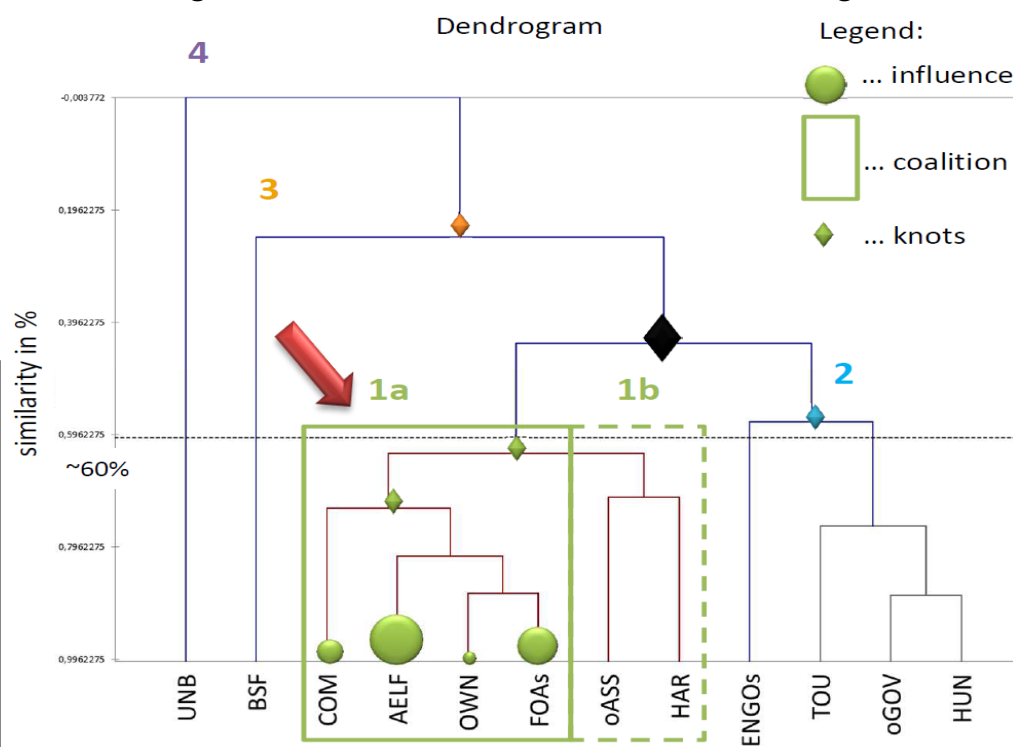
What (targets)
1. Better reach (more) forest owners, to increase their organization, provide advice, support their decision-making
→ 2. Improve access to forests (suitable hauling/forest roads)
3. Organize joint activities to (a) tackle fragmented ownership; (b) create and show 'best practice' ex.(i.e. of thinning); (c) thereby foster the trust basis betw. owners and actors
→ 4. Enable the management / use of the major, unmanaged forests, for <i>multiple purposes</i> (i.e. wood production, stand stability, support and regeneration of climate tolerant species)
→ 5. Improve the value for local recreation and nature/landscape conservation
6. Gain better insights to goals and preferences of owners and actors as well as to their decision networks, to offer suitable measures
→ 7. Facilitate the application of 'modern' harvesting technologies
→ 8. Improve the browsing situation and create an innovative hunting management

## Goals of initiatives: An integrative approach – for learning *within* power processes

**Fig. 2a, b: Actors' roles in the PPs**



**Fig. 3: Actor coalitions, based on similar goals**



Source: Aurenhammer, 2015; 44 initiatives

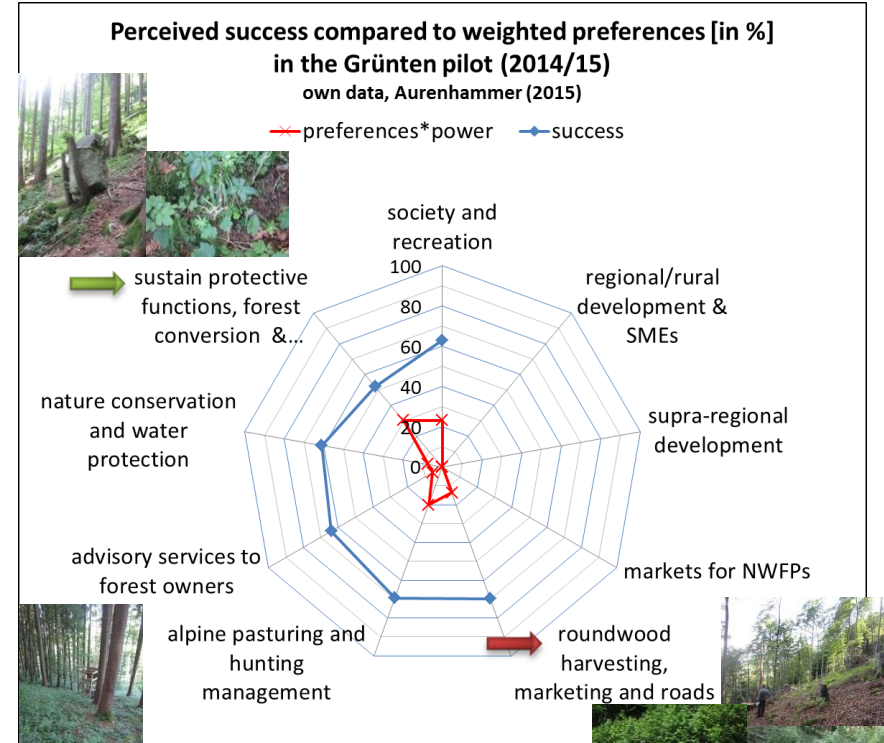
## Perceived success: short term results vs. long term goals and interests of actors

Tab. 2: Changes due to the PP-Grünten

	2008-2014	2015	2016
<b>INPUTS</b>			
subsidy input: €/ha, y for all measures	129	68	40
input of personnel capacities (years) / y	0,3	0,3	0,3
input of personnel capacities SIMWOOD (years) / y	N/A	0,2	0,2
<b>OUTPUT/OUTCOME</b>			
running metres /ha, y of road construction/improvem.	1,3	1,0	0,1
m <sup>3</sup> /ha, y of additional roundwood harvests	2,6	2,5	3,9
m <sup>2</sup> of forest conversion / ha, y	46	30	70
size of decision-network (N actors)	16	(in 2018)	(in 2018)
% participating forest owners in the initiative's area	n.d.	7	n.d.
forest owners trained / y	n.d.	30	n.d.
<b>EVALUATION OF SUCCESS</b>			
mean evaluation of success	2,0	(in 2018)	(in 2018)
project leaders' perception of success (pers. communic.)	+	n.d.	+
problem density in % of relations	0,4	(in 2018)	(in 2018)

Source: Aurenhammer, 2017

Fig. 4: Success as perceived by actors (PP-Grünten)



Source: Aurenhammer, 2015

## The main drivers for change can be found from:

- the **strong** role the ‘**key actors**’ of the PPs were able to attain in the network
- the **capacity- and instrument-mix** offered and used, going far beyond mere financial support, with personnel capacities, information and trust attaining high relevancy in the networks
- the application of an **integrated approach**: Considering various forest functions and uses enabled to reach out to a larger number of private forest owners, actors and society, which wouldn’t have been possible otherwise.



## Conclusions

- The **Bavarian Approach** in general can be considered a successful strategy.
- It enables us to reach out to a larger number of private forest owners, actors and society, in complicated matters of forest management.
- We can recommend the **Approach** to other projects, which aim at actor involvement, a common planning of activities, a higher level of acceptance of forestry measures and a higher mutual understanding.
- From our pilot projects and in Bavaria at large, we found evidence that the application of the **Approach** can lead to successful forest conversion, regeneration of instable forest stands, increased thinning activity and improved road access.
- We also found that the **Approach** can lead to closer cooperation in the areas of recreation, conservation and education.

## Recommendations for a successful transfer of the Bavarian Approach and its application

- Identify, engage and support key actors, such as the local forest administration, forest owner association and municipality.
- Provide for the needed (additional) resources and apply multiple instruments:
  - Make sure the projects are provided with the needed additional capacities: namely the financial and personnel resources to support and supervise activities.
  - Build upon forest informational instruments as well as mutual trust – financial resources alone are not enough.
  - The continuity of the personnel and keeping the know-how for counselling also beyond the project's end is very important.

## Recommendations for a successful transfer of the Bavarian Approach and its application

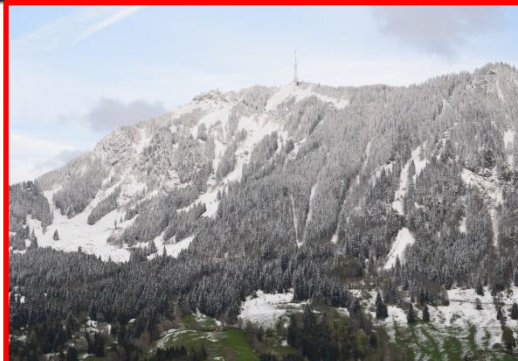
- Address various forest functions (integrated approach):
  - This enables you to reach out to a larger number of owners, actors and to society at large – A mere focus on harvesting or wood mobilization can provoke resistance and non-change.
  - While the number or diversity of actors and ideas does not affect the quality/success of implementation, it increases (at least initially) coordination efforts.
  - If you want to maintain longer-term cooperation and support of multiple actors, you need to take care of the longer-term success of societal or silvicultural measures. For such measures necessary longer-termed resources should be scheduled.

# Thanks for your attention –

'We need to start today – the results will be seen only after many years' (Klotz, 2010)



Grünten, 100 y ago



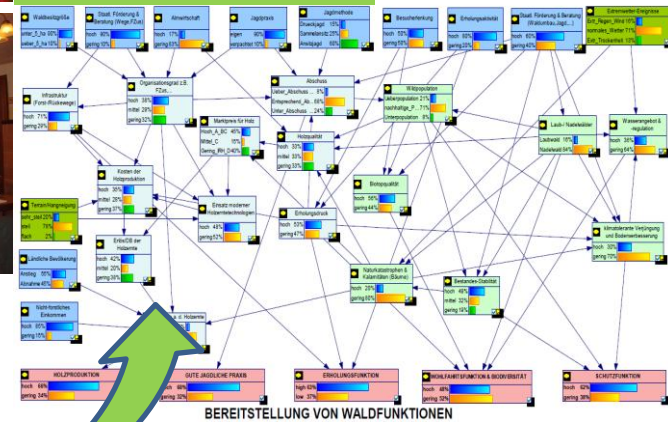
Grünten, 2017



„WIR MÜSSEN HEUTE BEGINNEN – DIE ERGEBNISSE WIRD MAN ERST IN VIELEN JAHREN SEHEN.“  
ANTON KLOTZ, OBERALLGAUER VIZE-LANDRAT

## Grünten, in 2030?

Source: BWO, 2010  
optimal)



Source: Aurenhammer and Naumann, 2016

# Thank you!



This project has received funding from the European Union's Seventh Framework Programme for research, technological development and demonstration under grant agreement no. 613762.