



Contribute your knowledge

This survey relies on the knowledge of forestry

experts/professionals and their information about

actual examples of AM. Thus your expertise can

enhance our understanding of AM and benefit the

overall objective to increase the adaptive capacity

of the world's forests. The map below shows AM

activities already included in our research, we

would highly appreciate if you add the project(s)

you know about by participating in the survey.

# A global online survey on forest adaptation and forest restoration - concept and first results

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#### Mission

- Collect data on local experiences with Adaptive Forest Management (AFM) and Forest Landscape Restoration (FLR) globally (Fig 1. & Fig. 2)
- Compilation of expert knowledge as basis for best practice approaches to aid decision-making processes on the local, regional and international level
- Assist forest managers and decision makers in the task of increasing the capacity of forests adaptive providing information about Adaptive Measures (AM) such as AFM and FLR (Fig 2)

### **Early Results**

- So far 28 participants worldwide (Fig. 1)
- Climate change as most important underlying cause for initiation of AM (Fig. 3)
- Degradation, protecting ecosystem services & biodiversity and vulnerability to disease were decisive for the initiation of AM(Fig. 4)

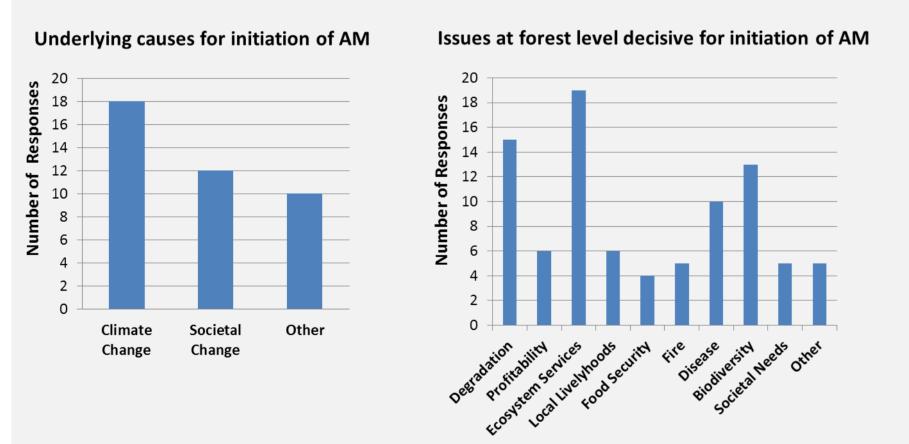


Fig. 3 (left): Underlying causes for initiation of AM as identified by participants Fig. 4 (right): Issues at forest / stand level which led to initiation of AM

- A variety of silvicultural measures (often in combination) were taken as part of the AM (Fig. 5)
- In most cases local provenances of native trees were promoted, sometimes combined with other provenances or non-native trees (Fig. 6)

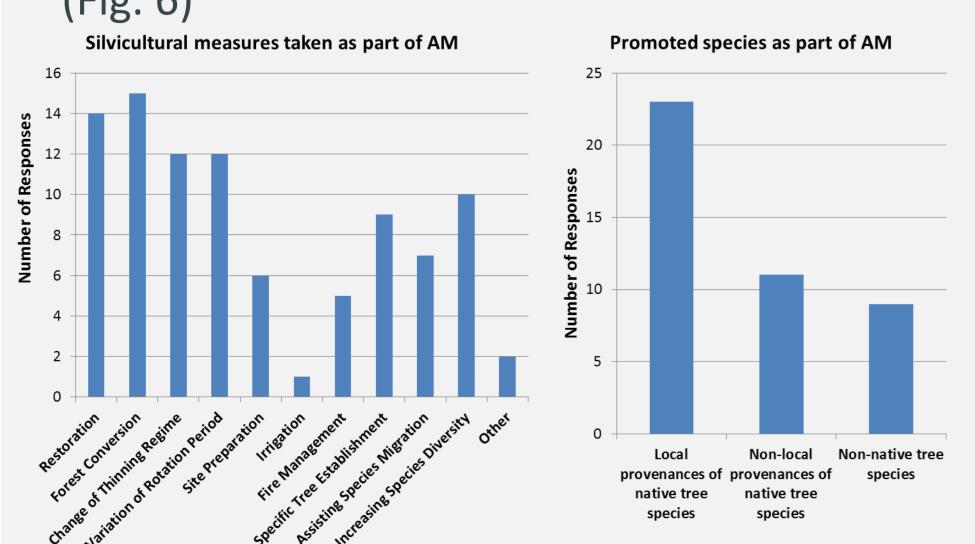


Fig. 5 (left): Silvicultural measures identified as part of the AM by participants Fig. 6 (right): Promoted species / provenances of AM projects (right)

### **Online Survey**

- Designed to gather information on realworld AFM and FLR activities
- data on location, actors environmental- and forest conditions, management regimes, implementation, targets, and success factors
- applicability Global through standardized design and the use of multiple languages (English, Chinese, French, German, Italian, Polish, Russian, Spanish, and Turkish + more to come)
- database for regionalized Spatial analysis, mapping and data integration
- See schema of information flow below:

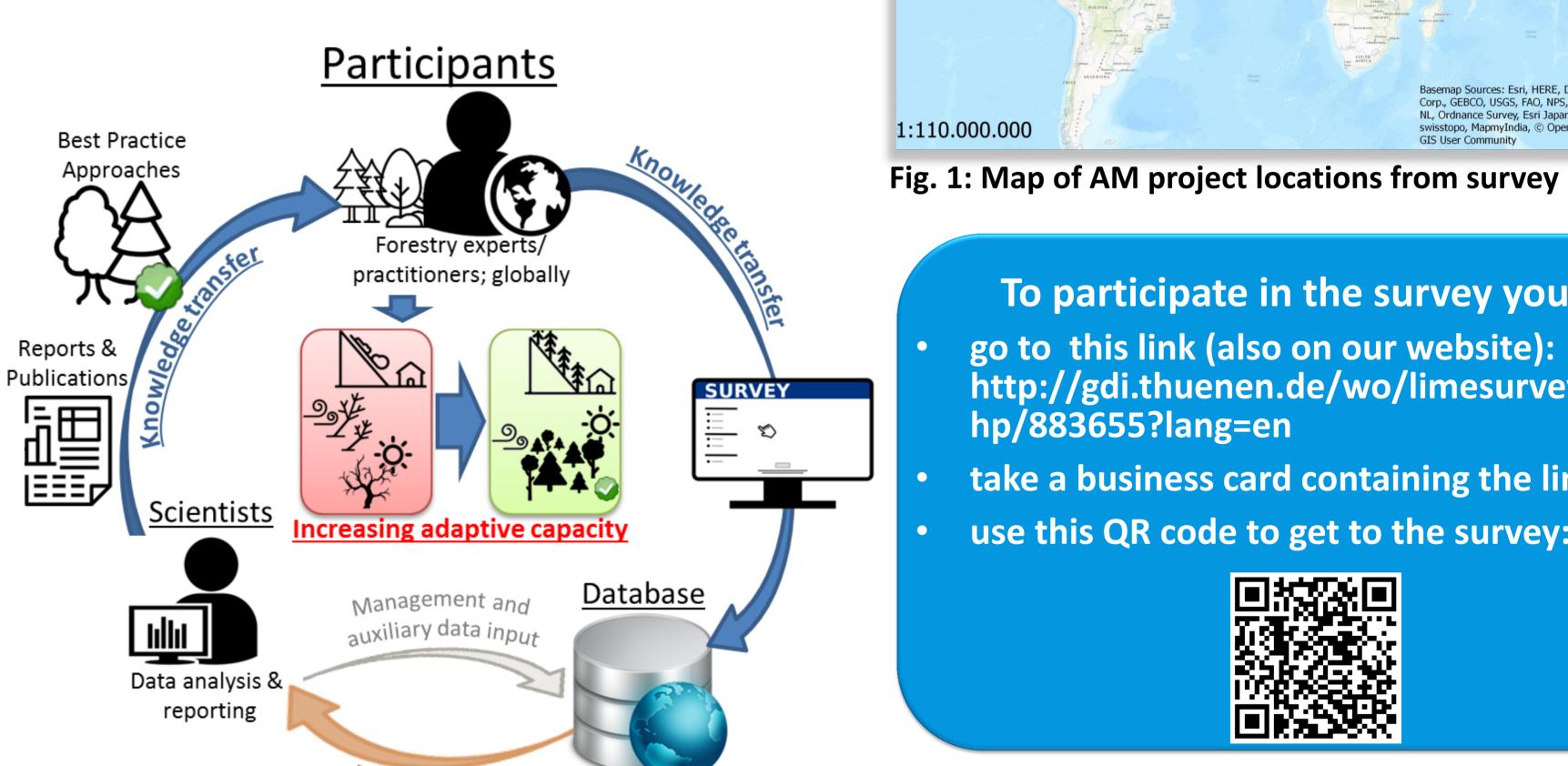


Fig. 2: Illustration of project information flow

## To participate in the survey you can:

- go to this link (also on our website): http://gdi.thuenen.de/wo/limesurvey/index.p hp/883655?lang=en
- take a business card containing the link
- use this QR code to get to the survey:



Nature- & biodiversity conservation, protection function, water issues, income and forest productivity were rated as priority goals of AM (Fig.7)

Participants agreed that the AMs were successful and good examples for other regions. This was enabled through forest management and a good cooperation between authorities and stakeholders (Fig.8)

