

Regional Vulnerability Assessment Methodology

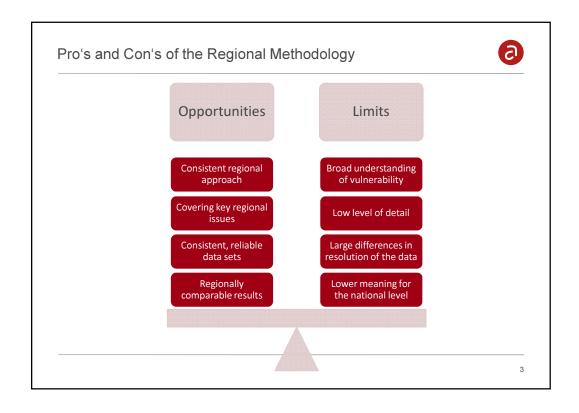


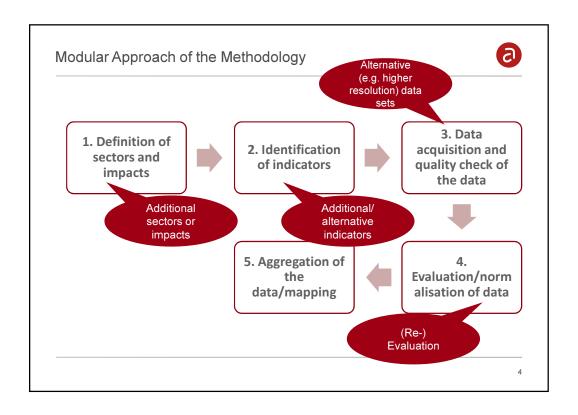
•••• What does ,regional mean?

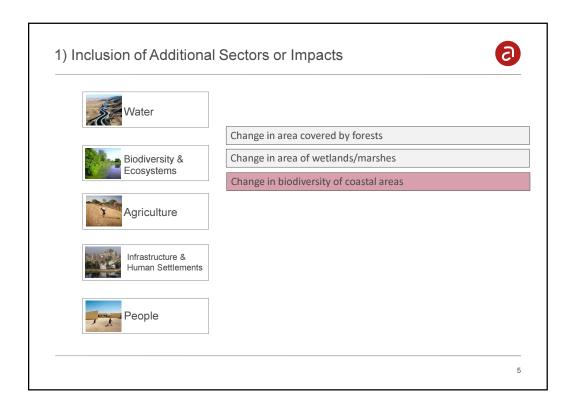
- · Sectors relevant for the whole region
- · Impacts relevant for the whole region
- Indicators that can be quantified for the whole region in a consistent, comparable way

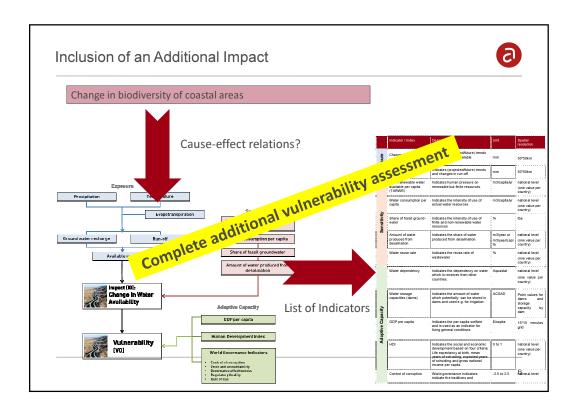


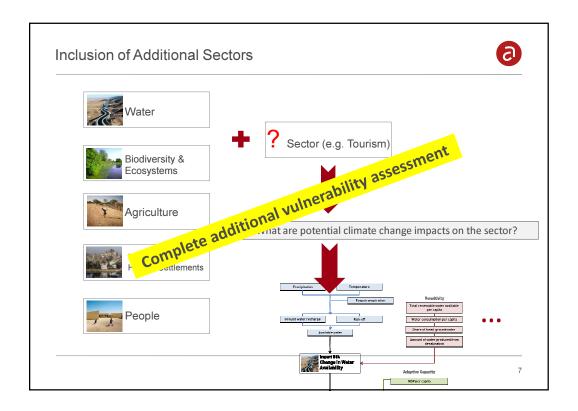
Utilisation of data sets covering the whole region provided by international or regional organisations











Implications of Including Additional Sectors or Impacts



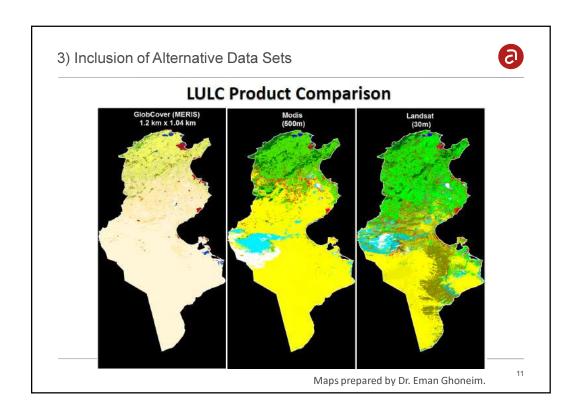
- Adds more detail and information to the assessment inclusion of topics that were so far left aside
- · Could be utile to adjust methodology to a specific country
- But:
 - May not be relevant for the whole region Data availability? Comparability on the regional level?
 - May require substantial additional effort (understanding cause-effect-relationships, developing indicators, data acquisition etc.)

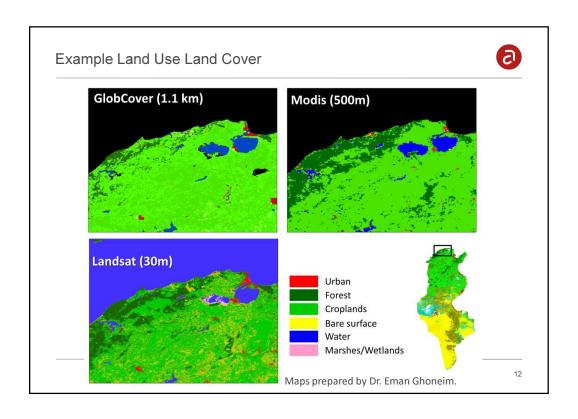
2) Inclusion of Additional or Alternative Indicators Purpose: Inclusion of additional information (e.g. also gender-disaggregated data) SE4 CI_{Sensitivity}=(SE₁*SE₂*SE₃)^{1/3} CI_{Sensitivity}=(SE₁*SE₂*SE₃*SE₄)^{1/4} SE1 Geometric Aggregation Sensitivity

Implications of Including Additional Indicators



- Changes indicator framework of the VA ideally adds more detail and makes the VA more meaningful
- But, needs to be a deliberate decision and fit into the overall indicator framework!
- Data availability is crucial only comparable if consistent data available for the whole region





Implications of Utilising Alternative Data Sets



- · Higher level of detail higher information value
- But: if data sets are not consistently applicable for the whole region, than loss of comparability for the regional level!
- If focusing on one country VA could serve the purpose of informing national adaptation strategies:
 - > Identification of national vulnerability hotspots
 - > Identification of priority sectors for adaptation
 - > But be careful to draw conclusions for the local level!

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4) (Re-)Evaluation of Indicators



- · When?
 - o If new or alternative data is included (new range of indicator values)
 - o If zooming into a country
- · Implications:
 - Allows considering specific national conditions
 - Changes range of indicator values/categories different evaluation information on the national and regional level

Indicators Evaluation



Conclusion I



- VA methodology is flexible and can be easily adjusted and advanced:
 - o Including additional topics
 - o Including additional indicators
 - o Using alternative data
 - o Adjusting evaluation of indicator values
- · Adjustments need to be chosen wisely:
 - o What is the purpose?
 - o Data availability & data quality? still regionally consistent/comparable?

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Conclusion II - Broadness vs. Depth



*** What does the methodology allow?

Regional level

- Obtain a regionally consistent and mulit-sectoral assessment of vulnerability
- Identify broad vulnerability hotspots
- Purpose: Get an impression of climate change implications in the Arab region and identify shared challenges
 - inform dialogue and exchange on a regional level

National level

- Assess national climate change vulnerability, but ideally focussed on fewer topics
- Identify more specific national climate change hotspots
- Purpose: Identify priority areas for action, inform the development of national adaptation strategies

 but: more indepth-assessments needed for adaptation planning on the local level

