

Scales of sustainability data collection: From global to local tourism level

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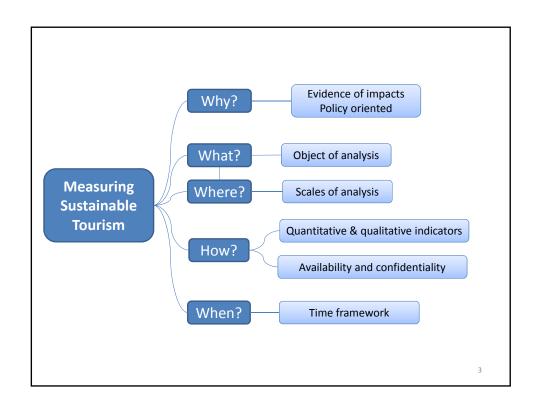


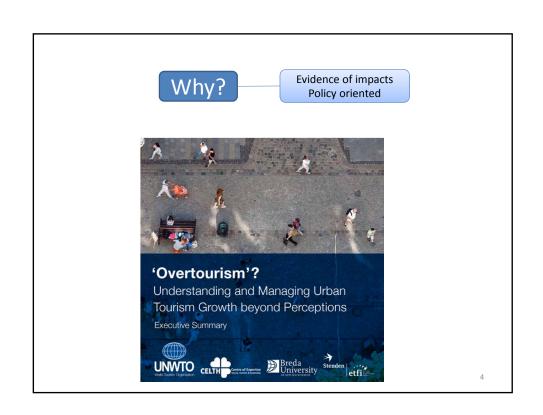


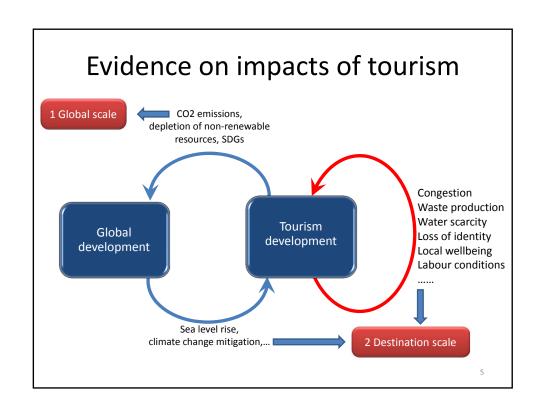


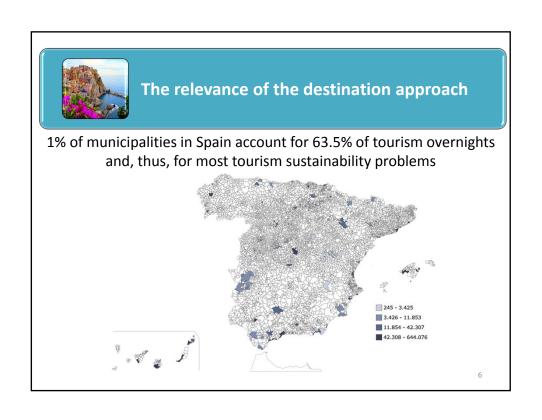
Introduction

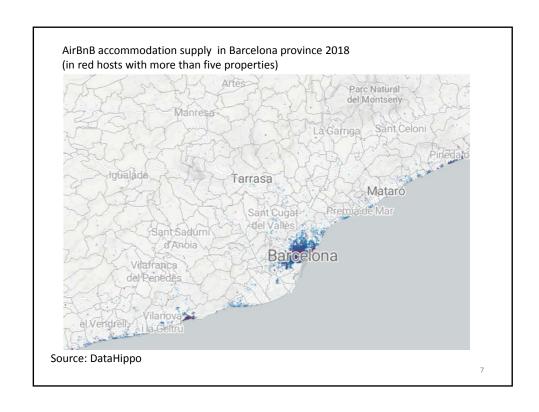
- Despite 25 years of research on tourism sustainability (Bramwell et al., 2017)
 - No international consensus on methodology for measurement
- Sustainable development goals for 2025 suffer from the same difficulty:
 - Measurement and indicators.
- UNWTO launched the Measuring Sustainable Tourism (MST) initiative
 - Linking measurement to UN statistical standards
 - Linking tourism sustainability to 2030 development goals (policy oriented)
 - Recognition of the relevance of the local approach
 - A document with methodological recommendations is expected for 2020
- Learnings from an ongoing pilot study on the Canary Islands. Focus local scale

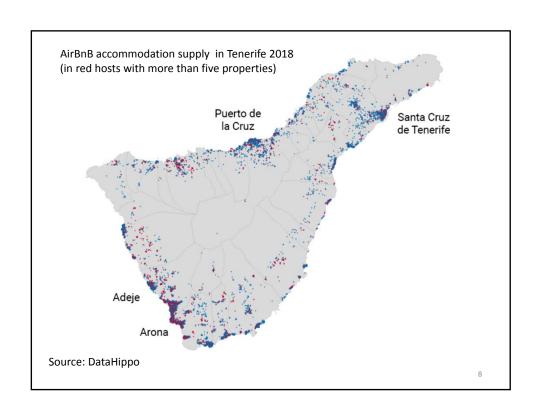


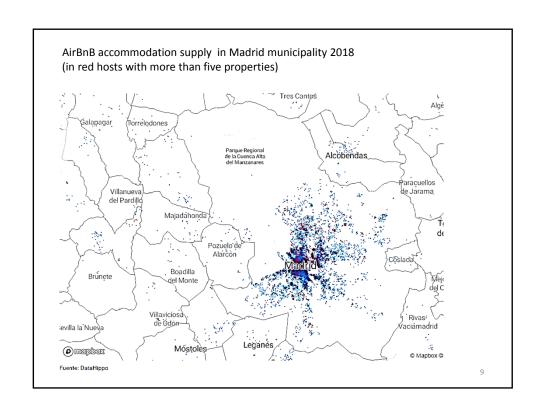






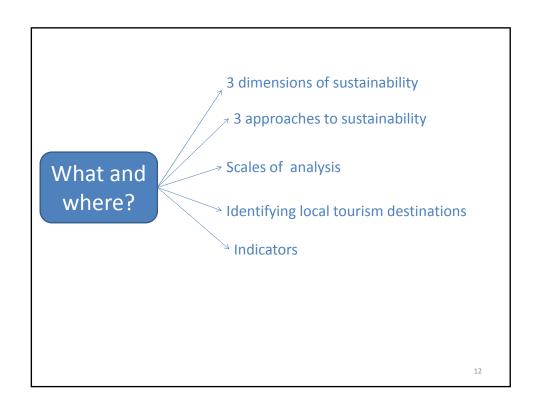


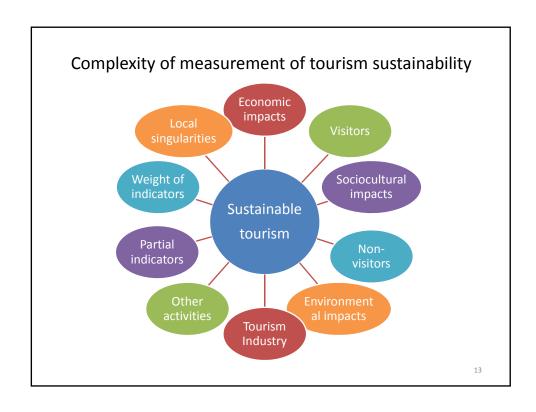














Three scales of analysis of sustainable tourism Hall, Gossling & Scott (2015)



Macro level (global): some indicators. Policy decision-taking challenge

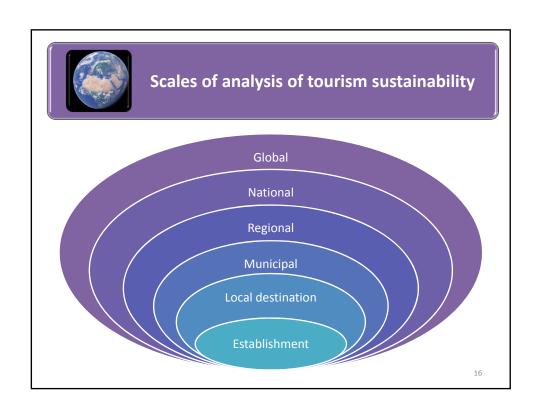


Meso level (national/regional): Fairly good indicators and methods. No clear tourism sustainability problem. Clear governance.



Micro level (destination): specific sustainability problems. Lack of indicators. Governance problems.

Three scales not clearly connected!





Contribution of tourism to global sustainability

• Comments:

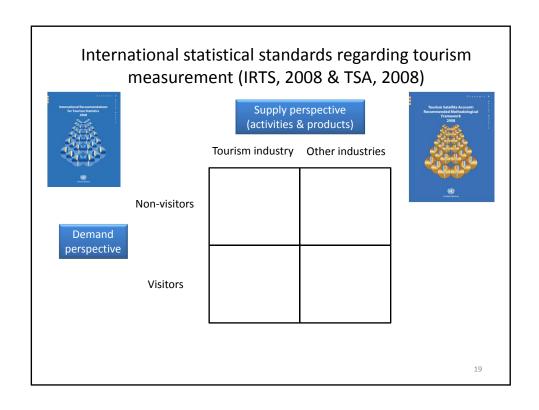
- Accumulative scales of analysis
- Available international methodologies
- **Economic**: Tourism Satellite Accounts (TSA, 2008)
- Environmental: System of Environmental Economic Accounting (EEA, 2012): water, resources and energy consumption, greenhouse gas emissions, waste, green jobs, etc.
- **Social**: world heritage sites, poverty alleviation,...

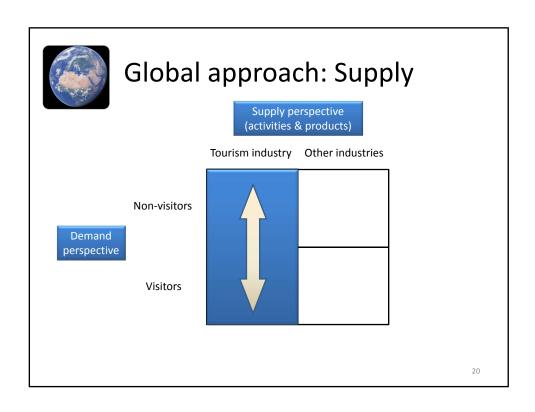


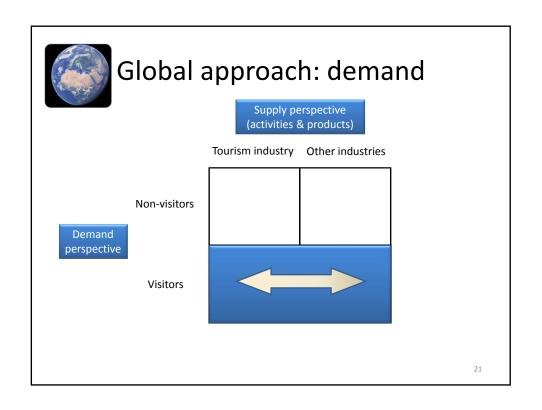
Sustainability of local tourism destinations

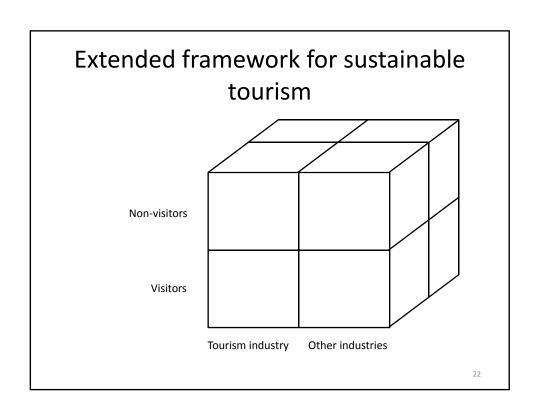
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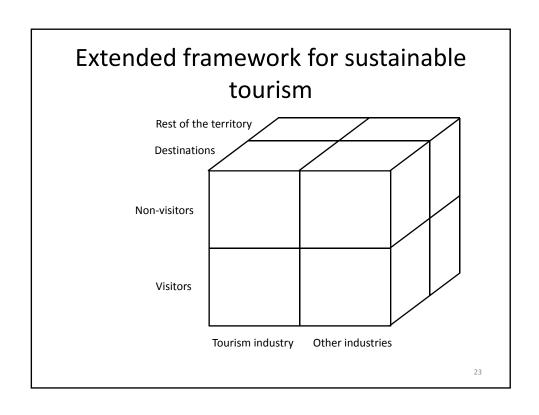
- Visitors + tourism industry + local population + environment
- There are System of indicators (some initiatives)
- Local singularities, relevance of perceptions of stakeholders
- Additive indicators: energy consumption, waste, water consumption
- Non-additive indicators (air puritiy, quality of sea water)
- Economic: income, local control, decent jobs,...
- **Environmental**: water quality, biodiversity, air quality, waste management, sea water quality, green firms,...
- **Social**: education, health, poverty, wealth distribution, crime, corruption, job security, gender inequality, protection of heritage, respect of traditional values,....

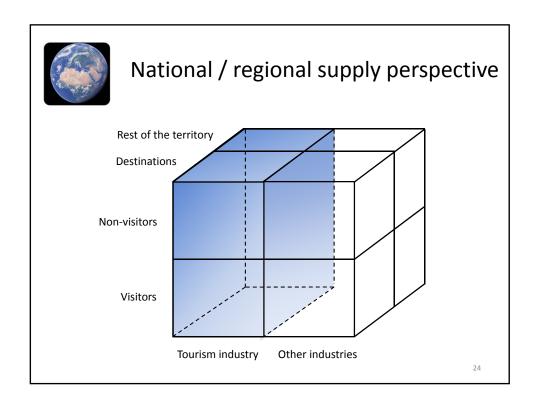


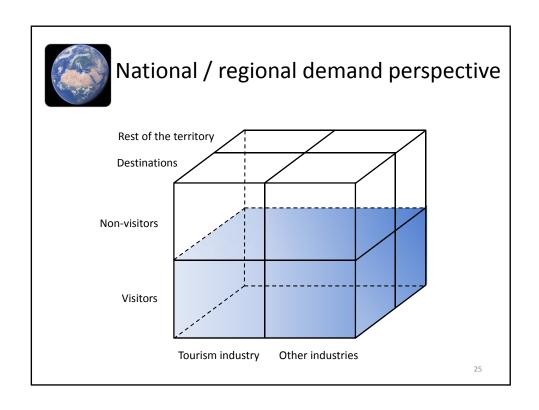


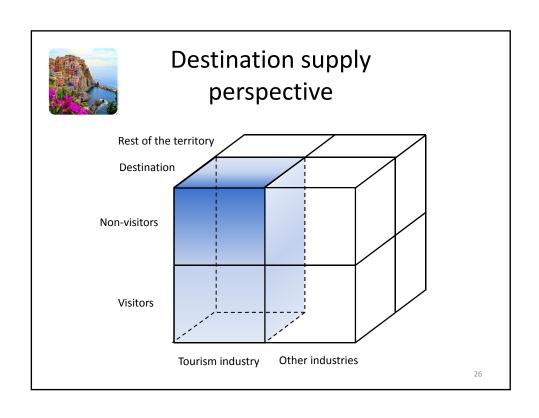


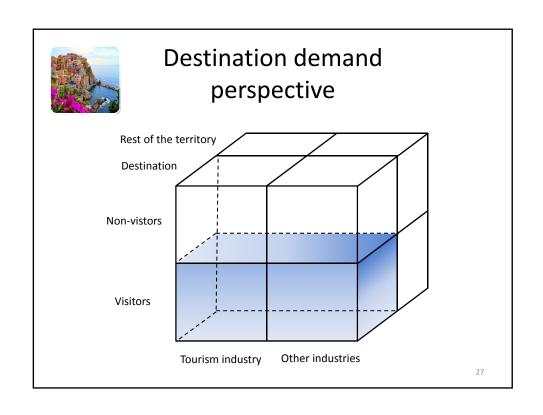


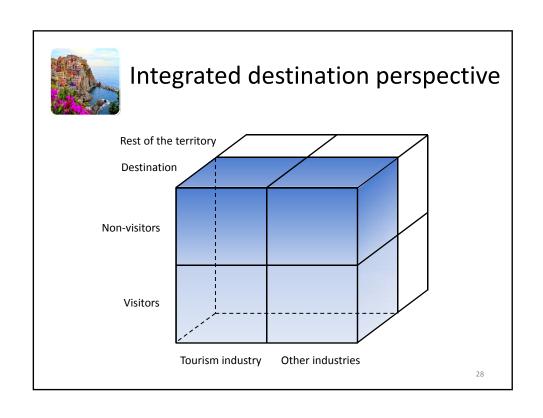




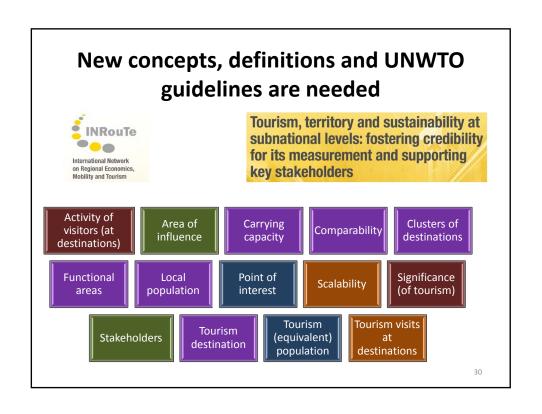


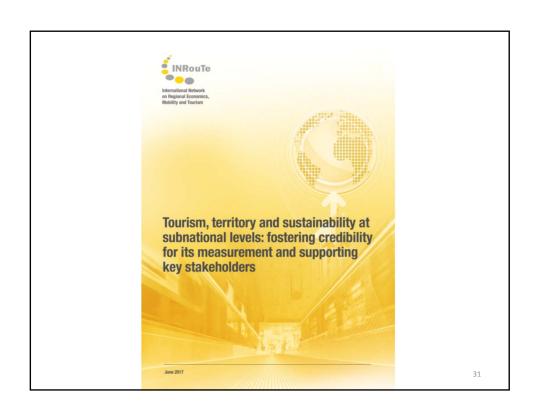


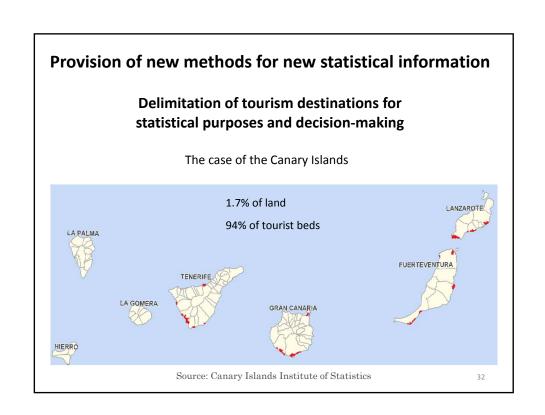


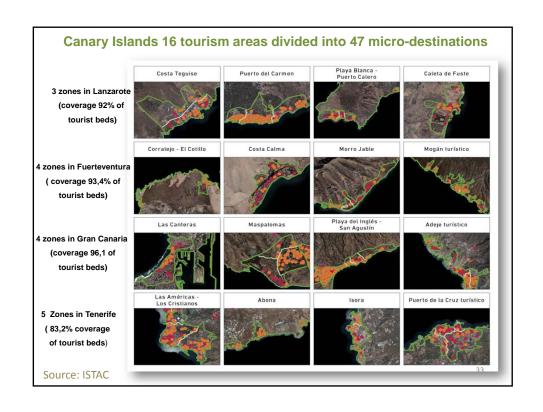


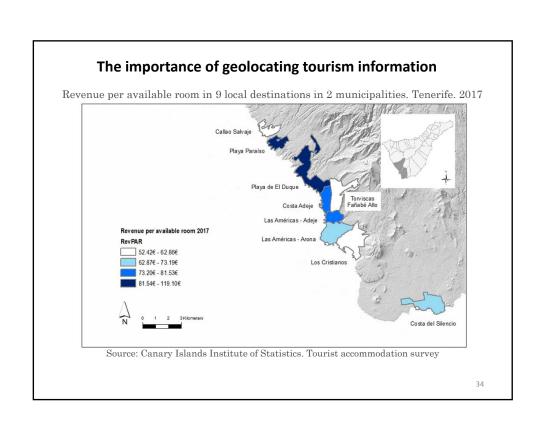




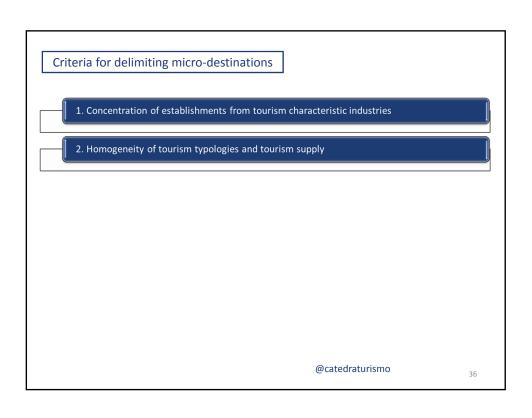


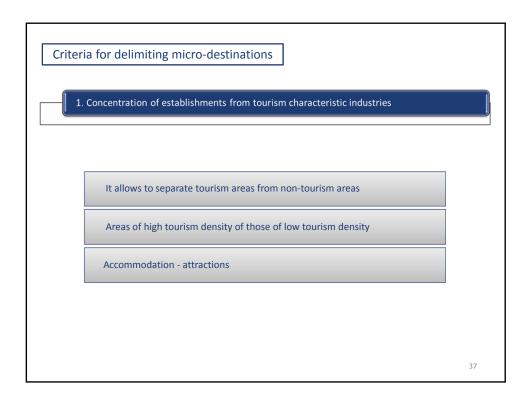


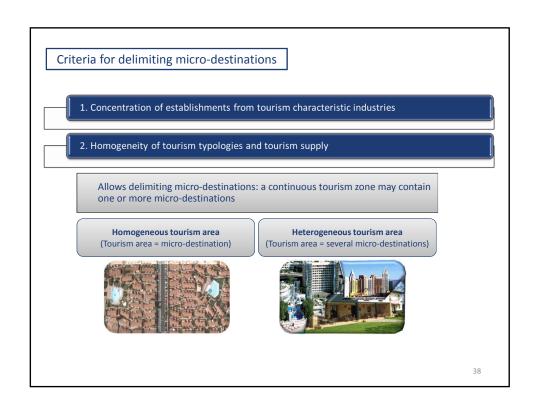


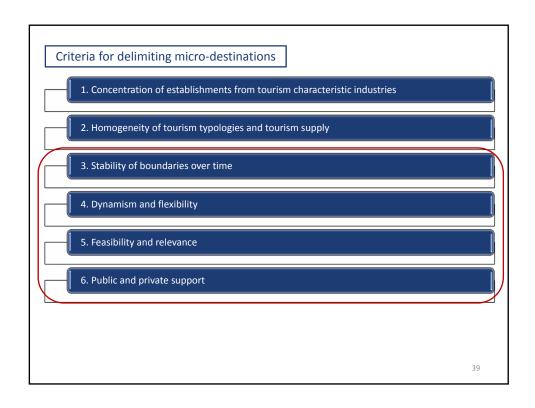


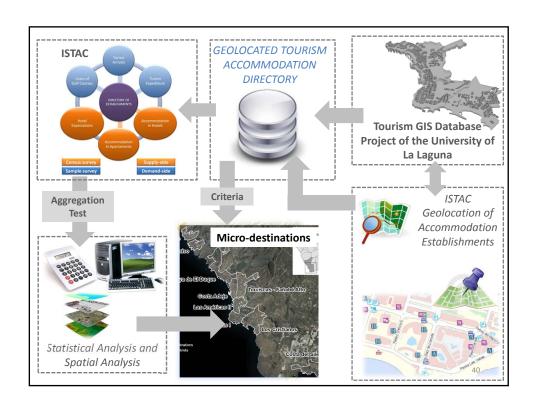
Main Criteria for delimiting local tourism destinatins	
1. Concentration of establishments from tourism industry	
2. Homogeneity of tourism typologies and tourism supply	
3. Stability of boundaries over time	
4. Dynamism and flexibility	
5. Feasibility and relevance	
6. Public and private support	
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Other relevant indicators for the delimitation of a tourism destination

Tourism density

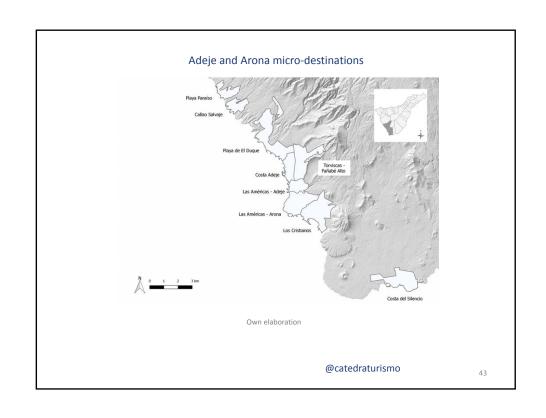
• E.g. overnigths per square kilometer

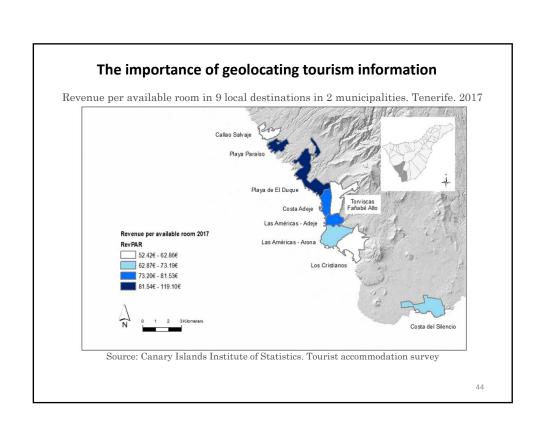
Tourism intensity

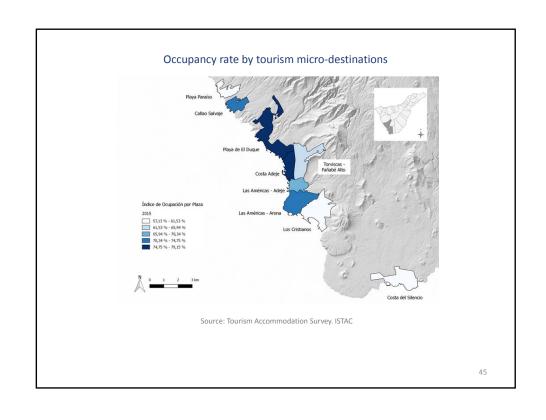
• E.g. overnights per local inhabitants

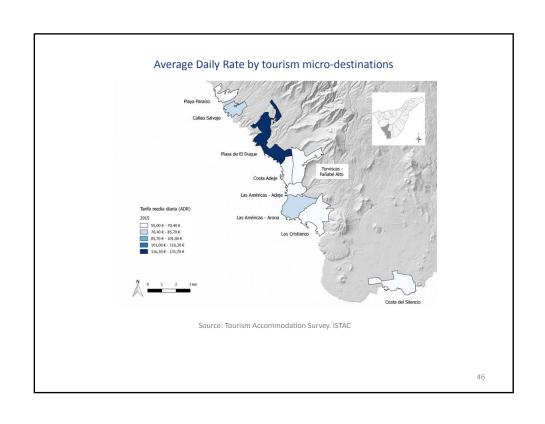
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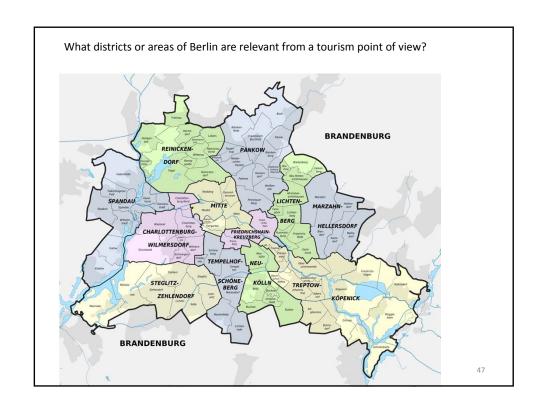
Adeje and Arona location in the Canary Archipelago La Palma Tenerife Gran Canaria Fuerteventura Source: OrtoExpress. GRAFCAN

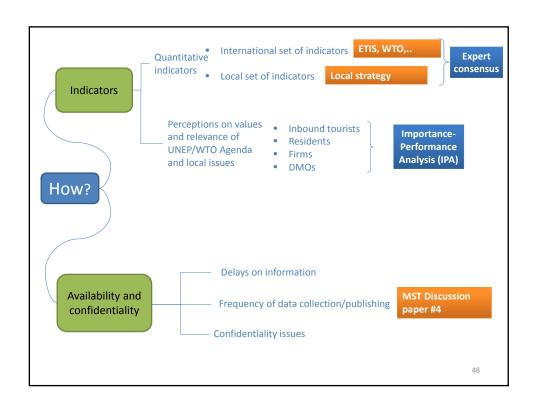












A system of indicators for destination sustainability is needed





- Issues under debate
 - Sustainability (policy) implications of individual indicators
 - Weights, relevance and interrelations of individual indicators
 - No clear object of analysis (tourism industry vs destinations)
 - **Specific** factors of individual destinations
 - Combination of quantitative indicators and stakeholders' perceptions
 - Effects of seasonality on sustainability
 - Interrelations, structure or hierarchy of indicators
 - **Incomplete perspective** of sustainability
 - **Territorial** scale of analysis
 - Dependence on quantitative indicators
 - Perceptions of different stakeholders

Tourism sustainability indicators

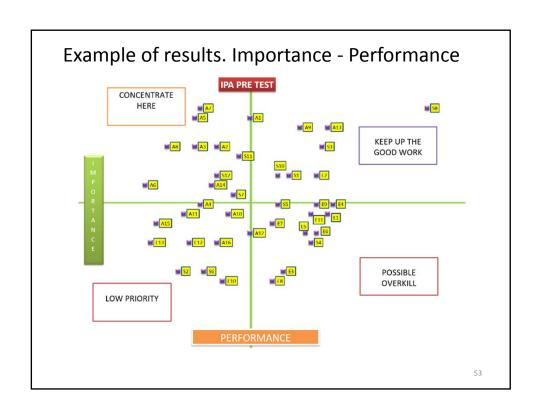
Box 2. Policy themes for sustainable tourism 1. Economic viability 7. Community Wellbeing 8. Cultural Richness 2. Local Prosperity 3. Employment Quality 9. Physical Integrity 4. Social Equity 10. Biological Diversity 5. Visitor Fulfilment 11. Resource Efficiency 6. Local Control 12. Environmental Purity

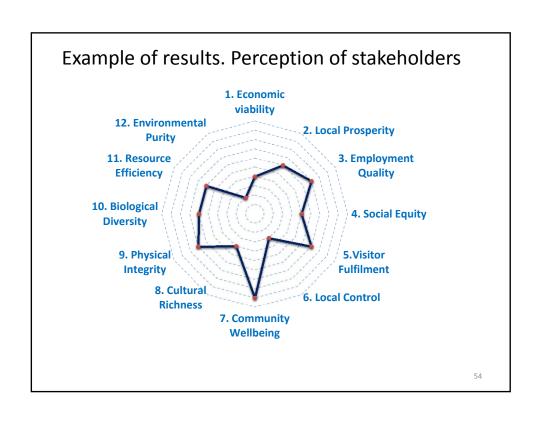
Source: UNEP/UNWTO 2005, Making Tourism More Sustainable: A Guide for Policy Makers.

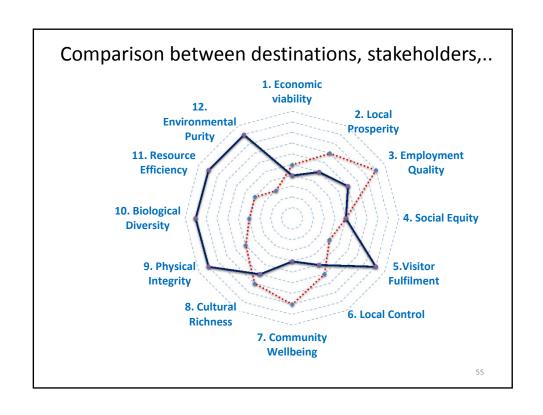


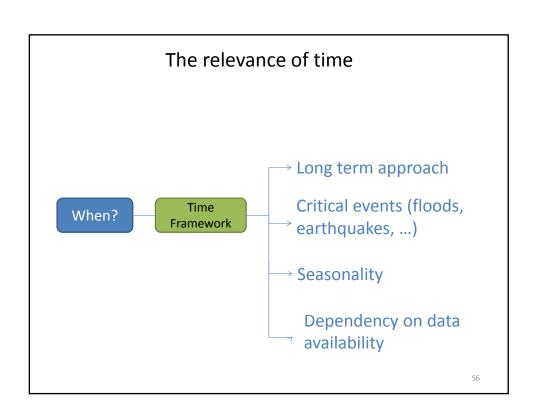
A Dashboard for analysing tourism sustainability

	Global indicators	Local indicators
Quantitative	Set of international indicators based on ETIS, WTO (2004),	Set of local specific indicators
Qualitative (IPA)	Perceptions and relevance of 12 policy issues UNEP & WTO (2005)	Perceptions and relevance of local specific issues















Final remarks

- There is a strong need for international standards
- There is a strong need for case studies.
- Linkage to territory and destination approach
- Obtaining a **comparable** set of quantitative indicators
- A comparable dashboard of perceptions on sustainable tourism agenda
- Local specific quantitative indicators and perceptions
- Information on the relevance (weight) of the items
- Perceptions of different stakeholders
- Information to design local sustainable tourism policies
- Delimiting boundaries of destinations is a path for handling local tourism sustainability

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Thank you very much!!!

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