Heritage Impact Assessment Some Cases and Examples

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- 1. WHY? Heritage Impact Assessments (HIAs) Reasons for assessments
- 2. HOW? Our Methodology in compiling HIAs
- 3. CASE STUDIES related to the following specific questions:
 - Timing: Case 1_"VIS Dresden Elbe Valley"
 - Planning and Governance: Case 2_HIA Tunnel Entrances "Upper Middle Rhine Valley"
 - OUV: Case 3_"HIA Gallery Lower Austria" / Wachau Cultural Landscape"
- 4. CONCLUSION: Tasks for education and research

Content







Socio-economic transformations



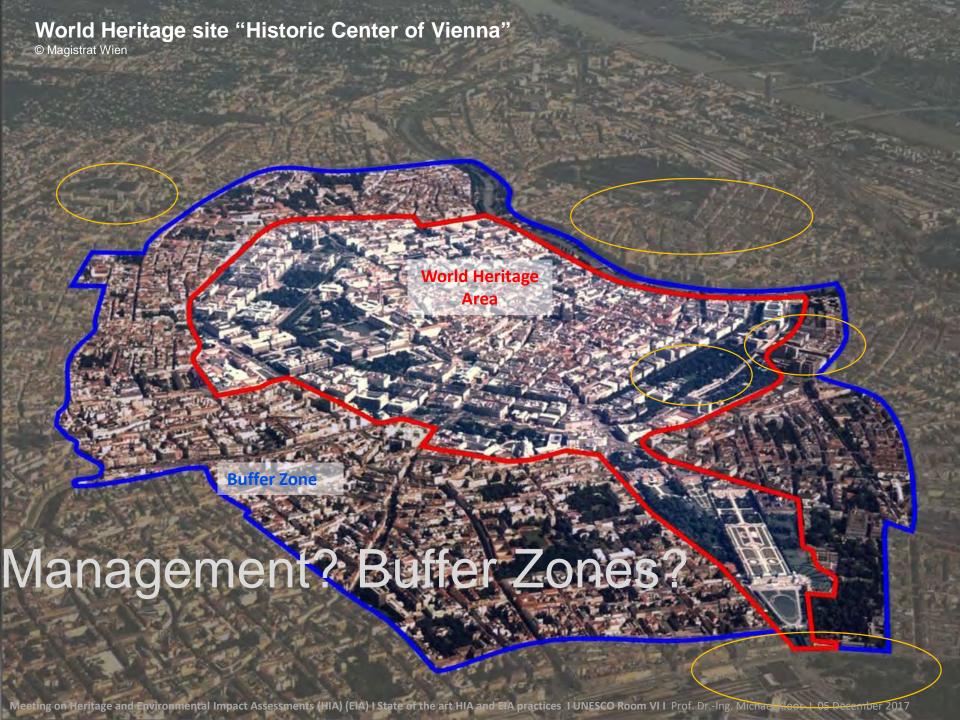


Research on cultural heritage



Environmental threats

Reasons for Heritage Impact Assessment – Risks (some examples)





Buildings and Development





Growth / Transportation Infrastructure?

HIA: Golden Horn Metro Bridge Istanbul / Turkey

Compilation: 2010-11

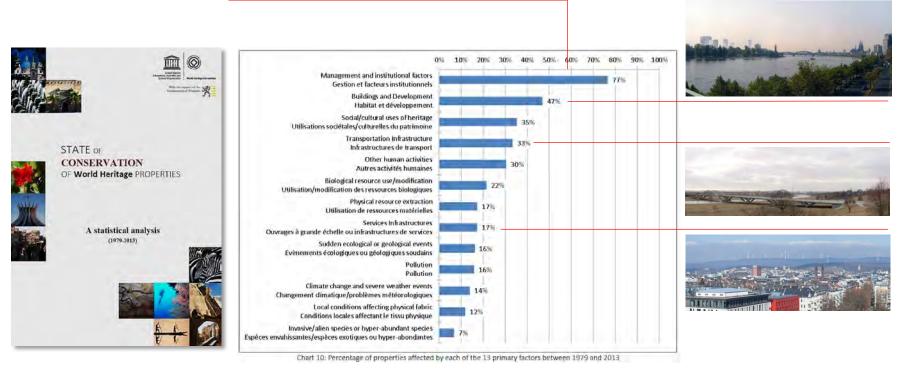
Client: Istanbul Metropolitan Municipality



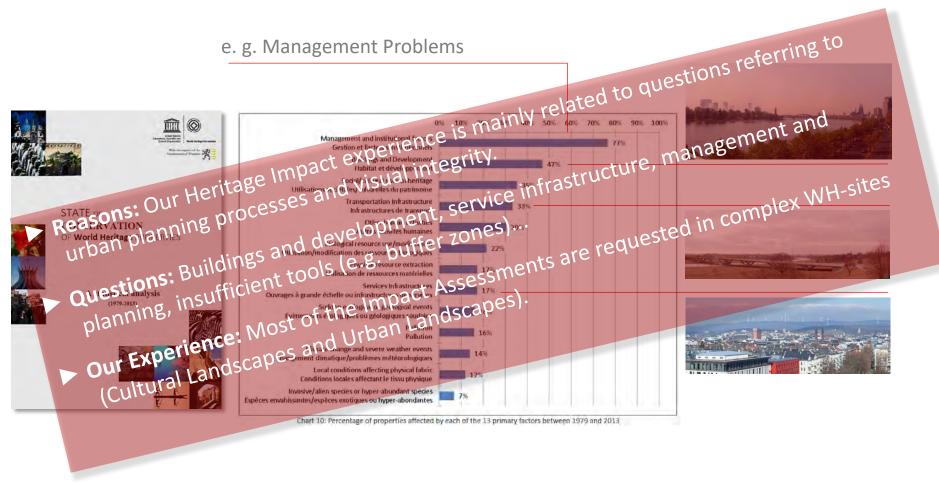
Service Infrastructure?

HIA: Wind Turbaines in Wiesbaden / Germany Compilation: 2013
Client: Municipality of Wiesbaden

e. g. Management Problems



SOC-Analysis (2013): Indicated Agents of Change (Cultural properties)



Conclusion 1: Reasons for application





Place: Cultural and Natural Region of Kotor (1979)

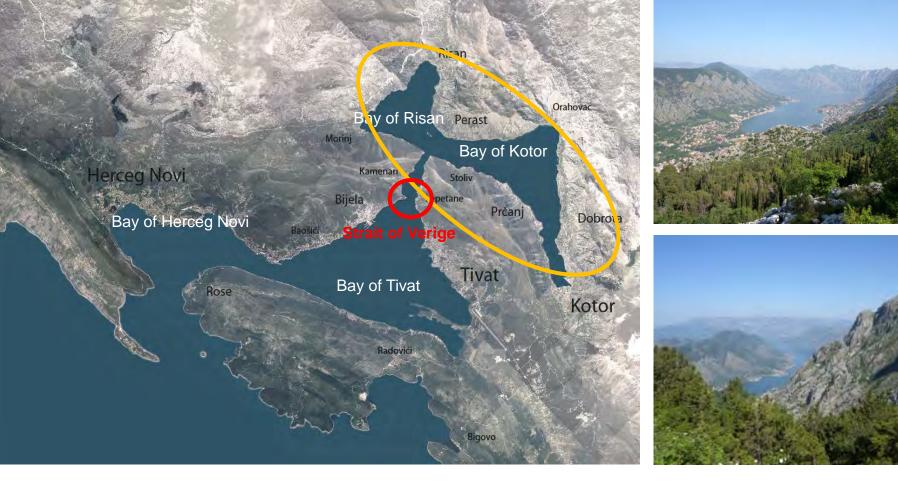
Compilation: 2009

Client: GTZ Project Office Montenegro, Ministry of Culture, Montenegro

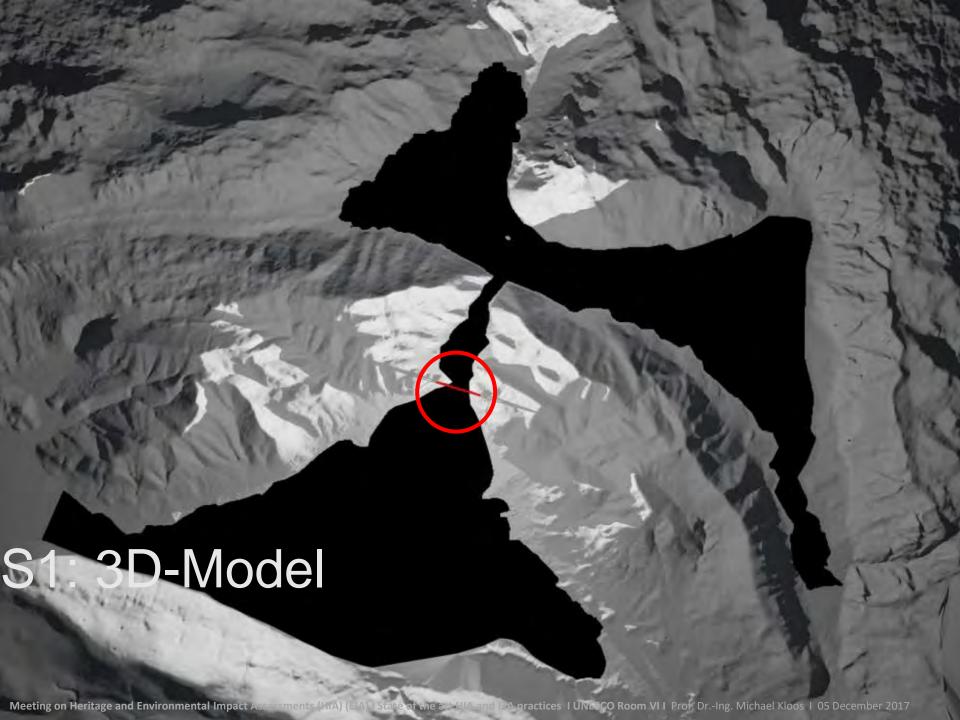


Future State?

- •New expressway between Croatia, Montenegro and Albania
- •Replacement of the ferry service ...

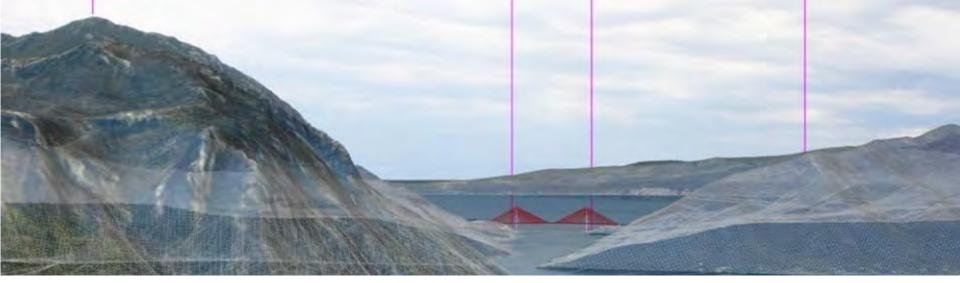


Cultural Landscape Bay of Kotor (Mixed Site)









©"vis bay of kotor", montenegro"





S4: Visualization



S5: Assessment



S5: Assessment

VALUE OF HERITAGE ASSET	SCALE AND SEVERITY OF CHANGE / IMPACTS				
	No change	Negligible Change	Minor Change	Moderate Change	Major Change
	SIGNIFICANCE OF EFFECT OR OVERALL IMPACT (EITHER ADVERSE OR BENEFICIAL)				
For WH properties Very High – attri- butes which convey OUV	Neutral	Slight	Moderate/ Large	Large/ Very Large	Very Large

- ICOMOS HIA Guidance, Appendix 3b, 2011
- Statement on Outstanding Universal Value (World Heritage criteria, authenticity, integrity and management)
- Attributes (Operational Guidelines, § 82):
- form and design;
- materials and substance;
- use and function;
- traditions, techniques and management systems;
- location and setting;
- language, and other forms of intangible heritage;
- spirit and feeling; and
- other internal and external factors.

Assessment (background)

Attribute	Attributes	Result	
1 Visual impact	Landmarks and points of elevated topography	Neutral	
	'Characteristic' town views	Slight to moderate	
	Everyday views and street space	Moderate to positive	
2 Functional impact	Visitors: management and information	Positive	
	Compensation of urban architecture deficits in the immediate surroundings	Positive	
	Compensation of urban architecture deficits in the quarter	Positive	
3 Direct physical impact	Building heritage	Neutral	
	Material quality and scale	Moderate	
4 Socio-economic impact	Jobs / investments	Positive	
5. Cumulative impact	Pedestrian traffic	Positive	
	Urban development	Positive	
	Vehicle traffic	Moderate (development of a traffic plan required)	
6. Impact upon the management	Tourism	Positive	
	Regional development	Positive	
	Promoting World Heritage and education	Positive	
7. Impact upon the World Heritage property as a whole	Sustainable development	Positive (attention to balanced development required)	

S6: Summary of Various Assessment Layers





Heritage Impact Assessment (HIA)

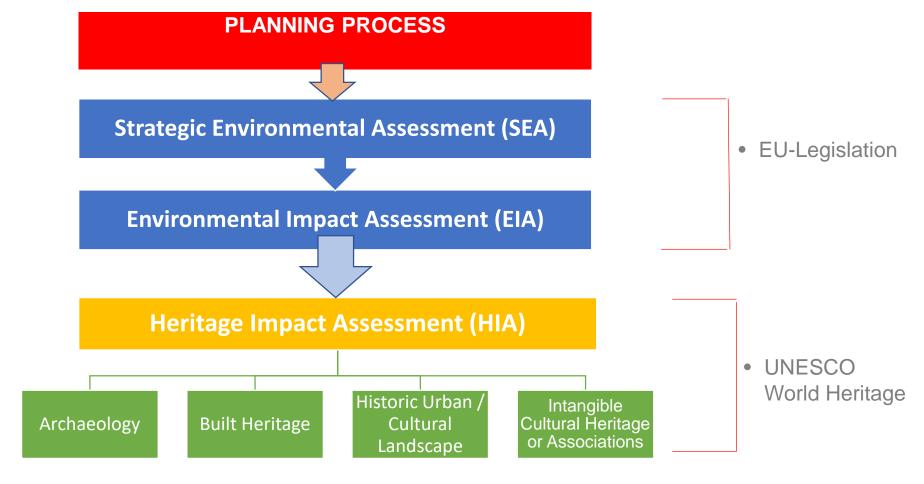
"A process of identifying, predicting, evaluating and communicating the probable effects of a current or proposed development policy or action on the cultural life, institutions and resources of communities, then integrating the findings and conclusions into the planning and decision making process, with a view to mitigating adverse impacts and enhancing positive outcomes."

Def. Impact Assessment: International Association of Impact Assessment (IAIA)



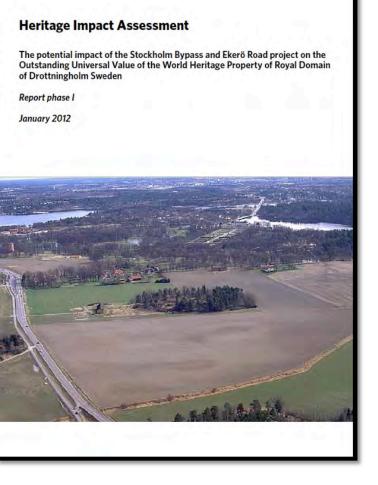
Heritage Impact Assessment (© Michael Kloos)

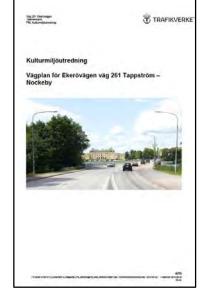
HIA as a Process: From Screening to Monitoring



- Not all of transformations in World Heritage properties are covered by EIAs!
- HIA as an assessment tool is not existing in EU-legislation not legally binding!
- Only particular planning processes are covered by HIAs!

Legislative Context of HIAs







- Examples:
- HIA Stockholm Bypass and Ekerö Road / Sweden (2016)
- HIA Master Plan of South Dalmatia / Croatia (2016)

HIA plus SEAs EIAs

HIA: Stockholm Bypass Road / Sweden Compilation: 2016 (in cooperation with Katri Lisitzin) Client: Trafikverket / Sweden



Fig. 1: Master Plan for the development of Functional Region of South Dalmatia © FRJD Trames

- Combination of SEA and HIA on a strategic level.
- In parallel to planning process.
- Evaluations of SEA and HIA are supplementing each other.

HIA of the Master Plan for the Development of (...) South Dalmatia

Place: South Dalmatia (1979)

Compilation: 2016 (in cooperation with Katri Lisitzin)
Client: Trames Consultants / Dubrovnik

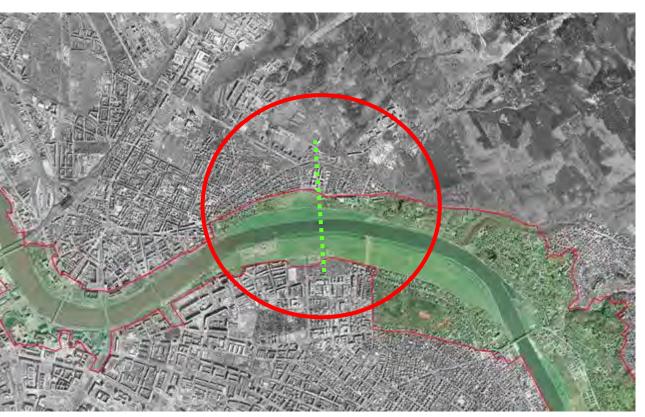


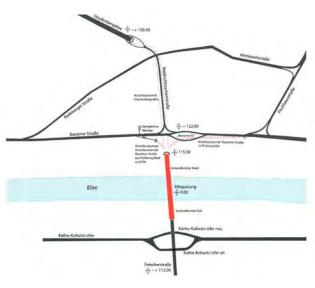


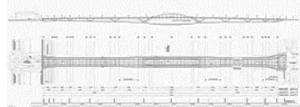




- Unique visual relationships as a key component of Outstanding Universal Value.
- Intensive interrelationships between "culture and nature" approx. 20 km "long" and strongly urbanized







Waldschlösschen Bridge



© v-cube



Recommendation,

Revision of the plans to build the bridge

Impact Study: Visualizations

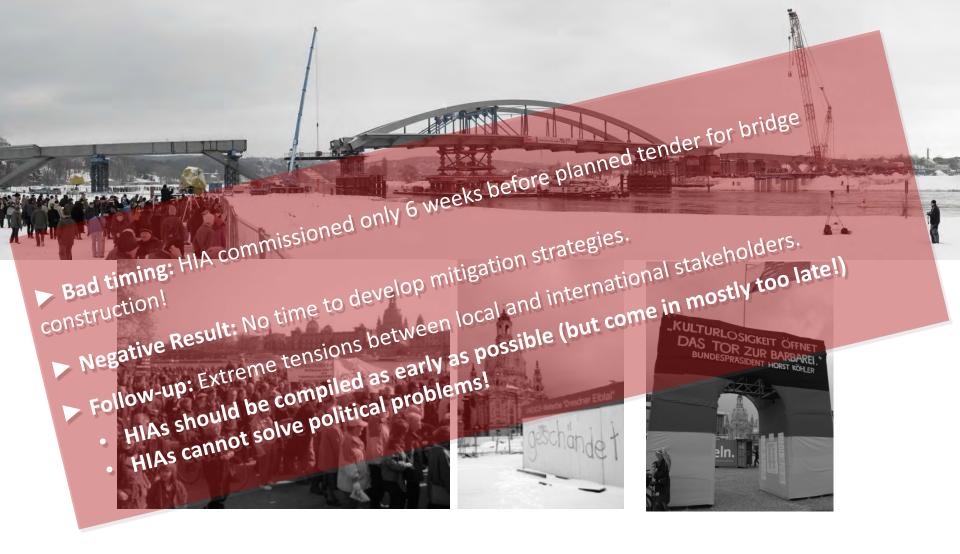








Waldschlösschen Bridge: Withdrawn from the WH-List in 2009

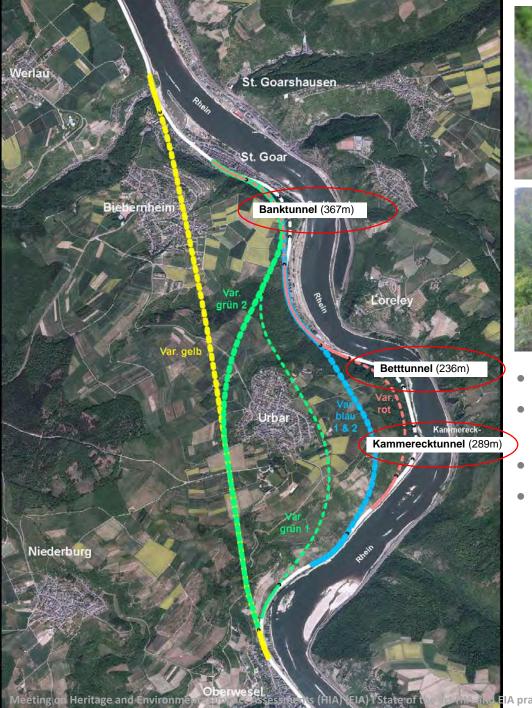


Conclusion: What Went Wrong?



Impact Assessment + communication







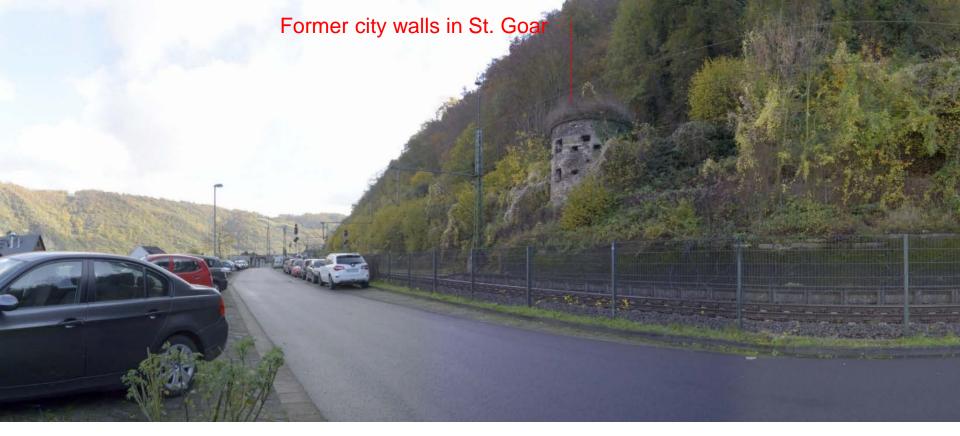






- 3 tunnels, 5 alternative railway tracks.
- Evaluation of new tunnels entrances during planning process.
- Participation of the local population.
- Direct feedback of the examination results into the planning process.

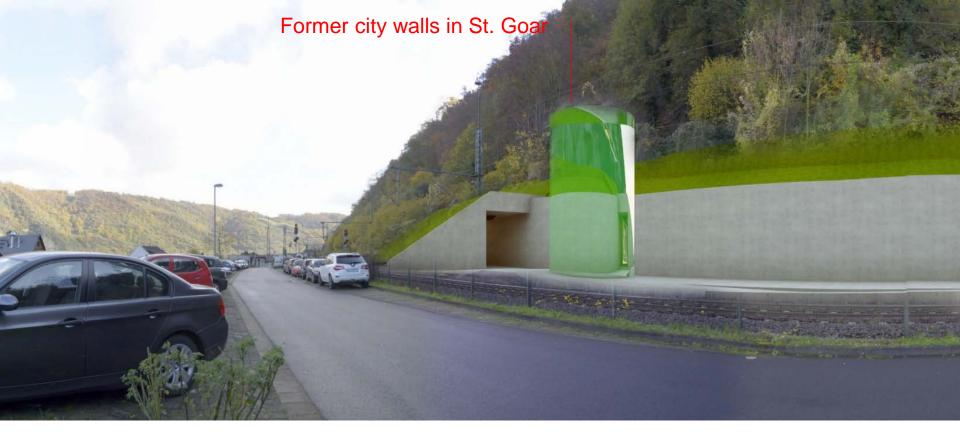
HIA as an element in a co-operative process to integrate local population.



Visualization and primary results / example St. Goar

• From the very beginning, the potential impacts of the planned railway tracks on the World Heritage property have been taken into account systematically in the planning process.

Visualization

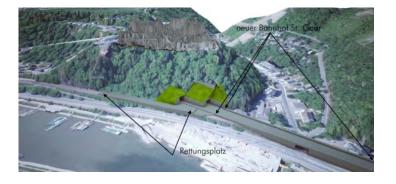


Visualization and primary results / example St. Goar

• From the very beginning, the potential impacts on the World Heritage was systematically assessed and discussed with relevant stakeholders (contracting authority, population, specialists, advisor bodies...).

Visualization





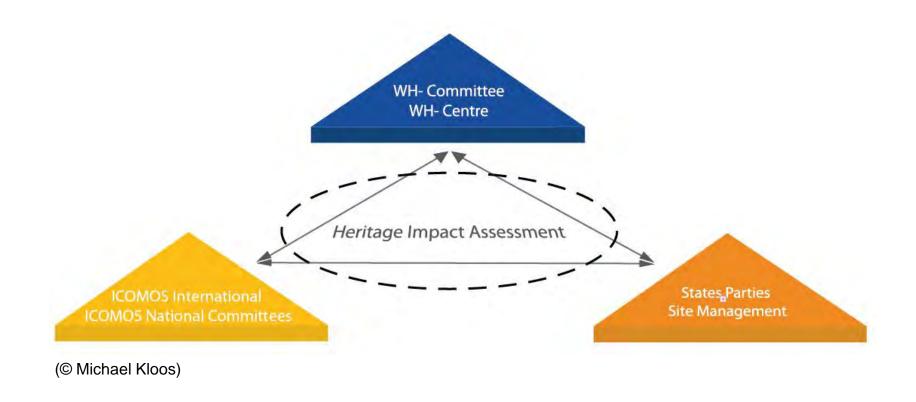




Impact Assessment & Communication



Conclusion: HIA as an instrument for planning, communication, mitigation



Conclusion 5: HIA as a 'pro-active' instrument for planning, communication, mitigation



Upper Middle Rhine Valley – Upgrade of Management Plan with a 'pro-active' assessment system:

- Background: Many questions with regard to planning projects in the valley.
- Goal: Assessment of planned projects as soon as possible during planning process.
- 3D-Modell of the entire valley.
- Statement of OUV and attributes will be qualified with participation of local stakeholders and regional representatives.
- Client: Rhineland-Palatinate / Ministry of Inner Affairs

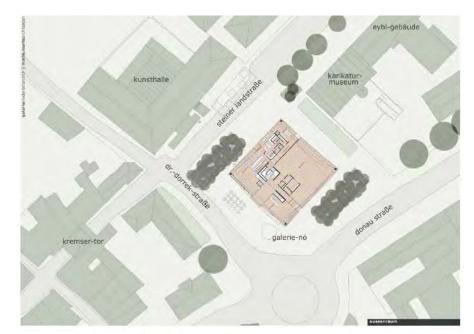
Research on Pro-Active HIA-System



Reason for HIA: Gallery Lower Austria
Place: Wachau Cultural Landscape / Austria

Compilation: 2016

Client: Land Niederösterreich (Lower Austria, Ministry of Culture) In cooperation with: Katri Lisitzin / Sweden (2nd opinion)

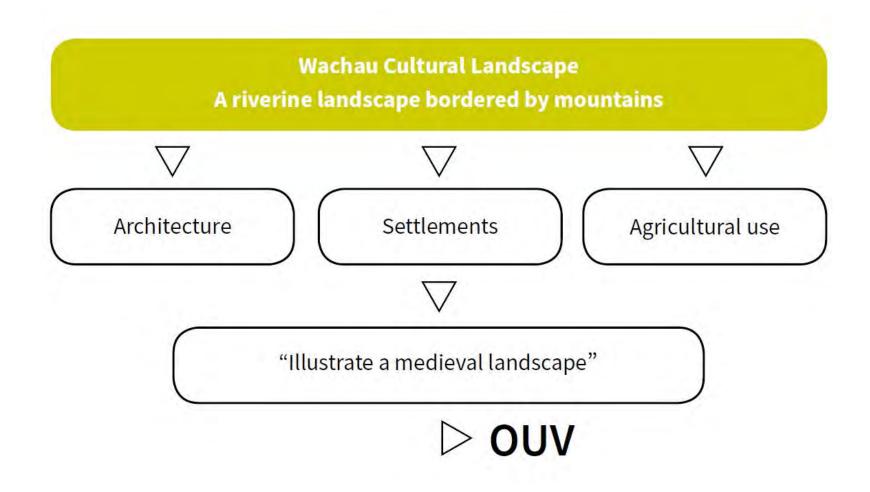


State Gallery of Lower Austria

- Main art gallery of Federal State of Lower Austria.
- International competition, 1st prize.
- Advisory Bodies participated in competition.
- Expert Panel to reduce the building volume.
- Advisory Body Critique: "No iconic buildings are needed in the World heritage site".



Planned project



Outstanding Universal Value

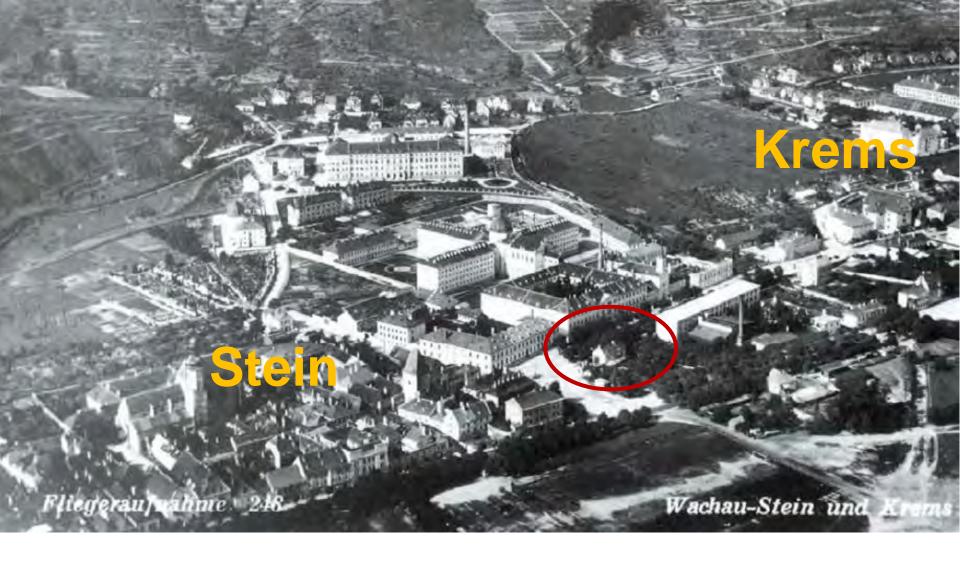


Kriterium (ii): Die Wachau ist ein herausragendes Beispiel einer in den Bergen gelegenen Flusslandschaft, in der sich der materielle Nachweis ihrer langen geschichtlichen Entwicklung in einem bemerkenswerten Ausmaß bewahrt hat. (...river landscape located in the mountains and very well preserved...)

Kriterium (iv): Die Architektur, die menschlichen Ansiedelungen und die landwirtschaftliche Nutzung des Landes in der Wachau illustrieren auf lebendige Weise eine grundsätzlich mittelalterliche Landschaft, die sich organisch und harmonisch über die Zeit entwickelt hat. (...architecture and land use structure illustrate medieval landscape...)

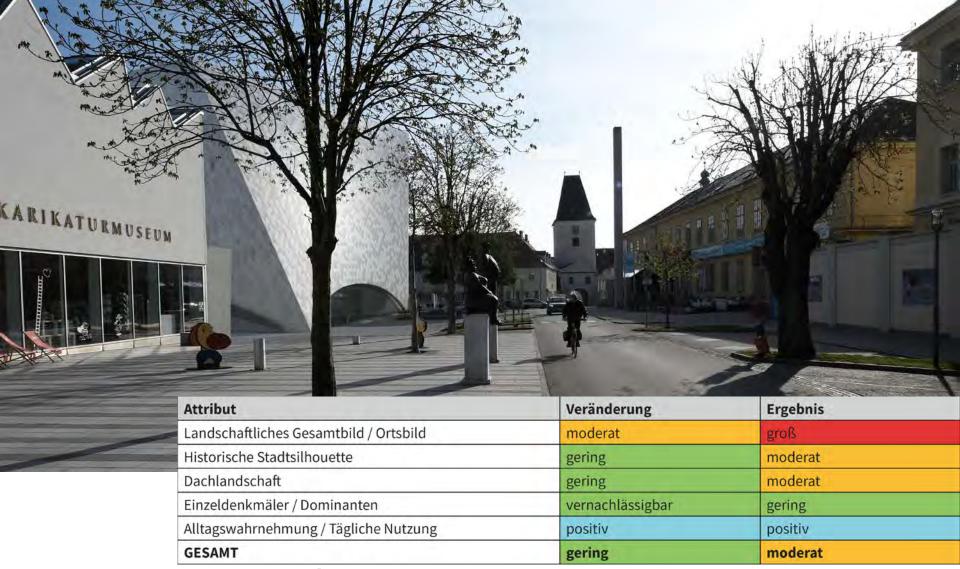
Eintragung als "fortbestehende Kulturlandschaft"durch Wechselwirkungen zwischen Mensch und Natur. ("continuing landscape")

Outstanding Universal Value

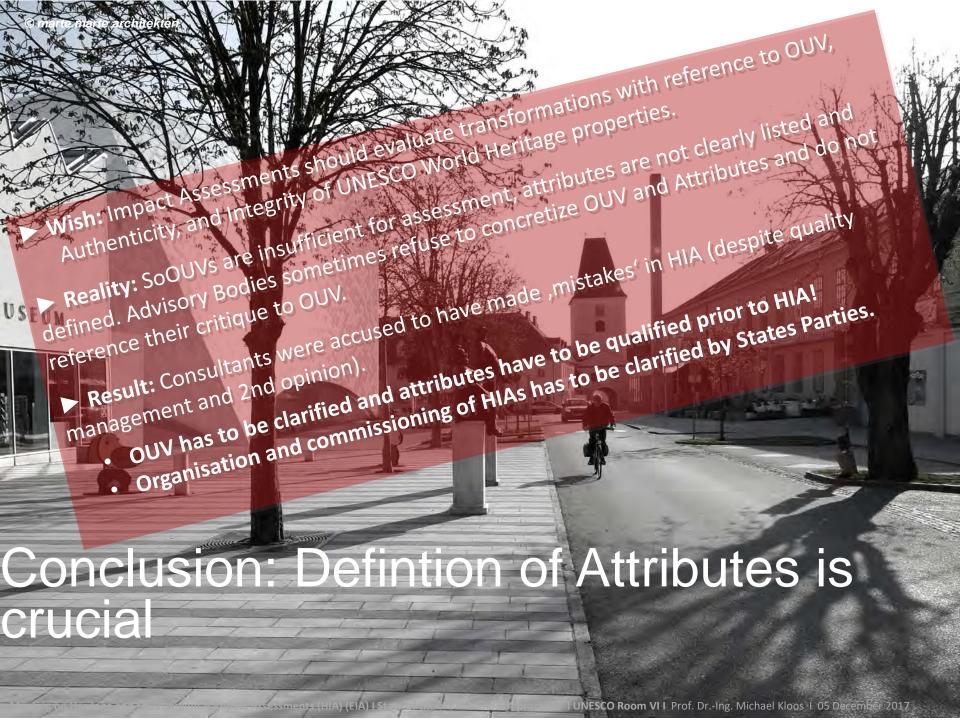


Investigation area in 1935





Assessment / Attributes





Dutch Cultural Heritage Agency, Ministry of Education, Culture and Science Flanders Heritage Agency The Austrian Federal Chancellery German Ministry for Foreign Affairs Under Auspices of German Commission for UNESCO



Heritage Impact Assessment Methodologies

Eindhoven
28-29 September 2015

Workshop Programme











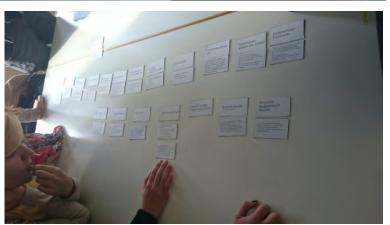
unter Schirmherrschaft
der Deutschen UNESCO-Kommission e.V.

10 years HIAs - No Feedback! Three workshops to take stock



Workshops for WH-Managers and other representatives (University of Applied Sciences Wiesbaden Rüsselsheim)







Training: Study course 'Heritage Design' (B.Sc.) (University of Applied Sciences Wiesbaden Rüsselsheim)

- ▶ Purposes and Types: HIAs are used for various purposes. (Search for political solutions / 'proactive'). Methodologies and manuals must be adapted to this. Scientific knowhow should be included in manuals (Evaluation Theory!).
- ► Effectiveness and Legislation: HIAs have no juridical status and are not legally binding! Therefore, HIAs come in mostly too late. It is necessary to embed HIAs in existing legislative systems (EU- and nationwide), as well as into Management Plans.
- ▶ Planning and Governance: HIAs can only be applied successfully if applied in 'pro-active' manner. Embedding in planning processes allows to feedback results. Stakeholders and social communities *have* to be involved in HIA-assessment processes.
- ▶ OUV and Assessment: HIAs have to be based on OUV and related attributes. There is a need for *concrete Statements of OUV, incl. clear descriptions of attributes*, so that assessments can be quantified and qualified. Qualification of attributes should be done prior to HIA (Terms of References) and not by consultants!
- ▶ Organisation and Financing: Who commissions HIAs? Who pays HIAs? States Parties need to define standards for this.
- ► Training, Know-how and Quality: Quality, methodological approaches and results concerning the implementation of HIAs are varying significantly. Most HIA-practitioners are self-taught. Systematic training is necessary.

Conclusion: HIAs - Questions for Research

