

### Nature Conservation and Human Interaction in the Wadden area since many centuries

- Towards safety and protection of flooding: building dikes
- From reclaiming land to nature protection
- From nature protection to shared use
- · From national to trilateral management
- The Wadden system needs to be managed so that both the ecosystem and the social system can develop in a sustainable way. This in itself is a real challenge.
- Proper management requires sufficient ecological and social background information (monitoring) and knowledge and understanding this integral system for effective and efficient management





- Recommendations included: enlarge and reinforce the natural features of the Wadden Sea; overhaul policy and governance; keep shellfishing and gas extraction within natural boundaries; improve knowledge management of the Wadden Sea Region.
- Dutch government decided: to cease mechanical cockle fishing, controlled gas extraction, set up the Wadden Fund (800 million euros over 20 years) to support nature and the economy, and establish the Wadden Academy to support 'knowledge management' related to the Wadden Sea Region.



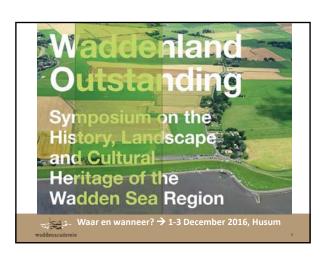
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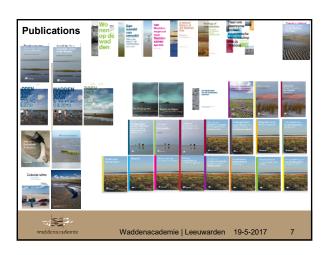


### Wadden Academie tasks:

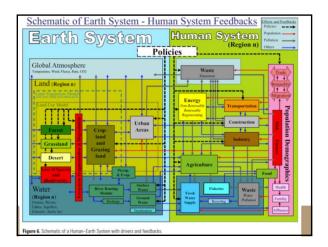
- to identify gaps in cross-domain knowledge in order to assist in the sustainable development of the Wadden Sea Region;
- to promote a coherent research programme at regional, national land international level and;
- to promote information supply and knowledge exchange within and between research institutes, government, industry and social organisations.
- Monitoring: encourage long term monitoring of ecological, economic and social cultural developments for policy, management and research











## Goals of Trilateral Integrated Coastal Zone Management (ICZM) by Wadden Sea Forum

- A balanced population structure with a healthy share of young and elderly people, with indigenous young people choosing to stay in the region and population decline being averted.
- Almost full employment for which a wide diversity of jobs is needed.
- With regard to welfare WSR residents should have an adequate income, good living conditions and high life expectancy. Social equality and work-life balance should ensure satisfaction among the population.
- This requires balanced economic development that provides future prospects for people living and working but should also generate surpluses for environmental protection measures.
- The economy in the WSR should be made resilient for economic recessions and international competition by means of strategies for innovation and entrepreneurship.
- → Needed: knowledge and monitoring



#### **Background Trilateral Research Agenda**

- The necessity for a Trilateral Research Agenda (TRA) for the Wadden Sea Region originates from the declarations from the Trilateral Government meetings 2010 and 2014, stating that:
- Sylt-declaration 2010, pkt. 41: "Support the establishment of a trilateral research platform directly connected with existing national networks. The platform will elaborate a trilateral agenda for policy-relevant research in consultation with the Board..."
- Tønder-declaration 2014 pkt. 63: "Encourage discussions by the scientific community and policy makers on the major policy issues and related knowledge as a basis for further developing a trilateral research agenda and a trilateral research platform."



# Priorities of the Dutch presidency of the Trilateral Wadden Sea Cooperation June 2015:

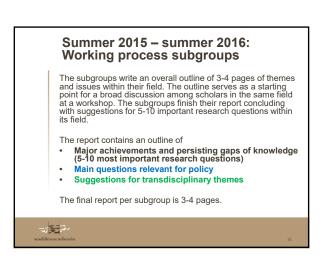
7. Scientific agenda for the Wadden Sea World Heritage Site: The Wadden Sea has long been a site of much and diverse scientific research. For good management of the World Heritage Site there are plenty of questions that will require common and better coordinated research.

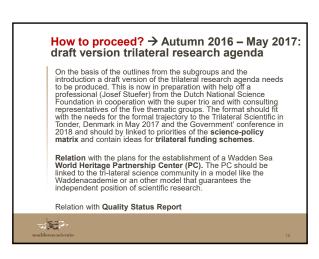
**Objective:** A coherent scientific agenda, relevant to the World Heritage Site which supports decision-making on current and future issues, captures the interest of young scientists and promotes scientific cooperation between institutions.

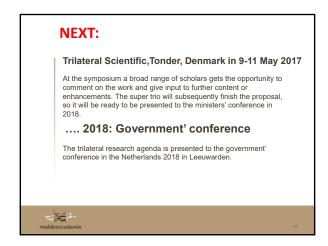












Science -	poli	cy matrix	
Size of the box: Degree of concern to management: which policy problems have the highest priority?	High	Management has a high level of concern for the valve due to its current degraded condition and/or the high level of single or cumulative pressures affecting it.	
	Moderate	Management has a moderate level of concern for the value due to its current current condition and/or the moderate level of single or cumulative pressures affecting it.	
	Low	Management has a low level of concern for the value due to its current good condition and/or the low level of single or cumulative pressures affecting it.	0
Colour of the box: Adequadcy of information: do we have the knowlegde to solve the problem?	Good	The good level of information available directly supports management decisions and is currently sufficient to allow progress on the particular sales/information. Nowever, further information to support caping a plaquing management may sell be required.	
	Moderate	The moderate level of information gives a reasonable basis for management decisions, but decisions regarding some aspects of the issue/interaction may be hampered by current knowledge gaps.	
	Low	The low amount or adequacy of information is a hindrance to management. Decisions are pending the availability of improved scientific understanding of the tops/interaction.	-

