



Baltic InteGrid

Integrated Baltic Offshore Wind Electricity Grid Development

Social impacts of the offshore investment – analysis







Socio-economic receptors

Project description

FNEZ

Definition of environmental components

Definition of emissions and sources of emissions

Impact identification

Impact analysis

Grid	Socio-economic	planning	OFFSHORE ONSHORE • survey activities, • production and
	elements:		 sampling, construction of vessels activities, components,
cables	Fisheries		anchoring ships storage/warehousin transport
VDC), substations	Navigation		
ransformer	Military		
cable, d power lines	Military aviation	construction	vessels activities, horizontal drilling,
	Civil aviation		anchoring ships, cable laying, cable laying and installation of
	Radar systems		burial (plow and overhead power blasting waterjet line,
Bounding conditions	and		 installation of foundations
nvelope concept naximum design	communication		Ioundations
arameters and technical	Landscape	N	
naximum scale of impacts	• Tourism	exploatation	maintenance service - maintenance electrical power convice
	Maritime		transmission, emergency repairs, infrastructure
	industry		presence of new infrastructure
	Oil&Gas		
	Human health	decomissioning	
	and safety		
	• quality of life /		Physical removal of Storage, elements, Physical
	material goods		vessels activities removal of elements
	cultural heritage		





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Baltic Offshore Grid







Exercise 1

damage the archaeological valuable objects

obstacles for navigation due to underwater objects

obstacles for navigation due to objects above sea level

contracts for maritime industry

extra income, new workplaces, education opportunities,

Interference caused by electromagnetic field and/or presence of the objects

Changes in landscape

Increased collision risk due to ship, helicopter or road traffic

restrictions of use due to new objects / area occupancy (offshore or onshore)

restrictions for agricultural and forestry

deterioration of living conditions due to noise emission (underwater or airborne)

waste and sewage production

deterioration of living conditions due to

emission of pollutants into the atmosphere

increased use of environmental resources

Extended travel routes at sea due to area occupancy

damage of existing infrastructure

Socio-economic elements:

- Fishery
- Navigation
- Military
- Military aviation
- Civil aviation
- Radar systems and communication
- Landscape
- Tourism
- Maritime industry
- Oil&Gas
- Human health and safety
- Quality of life / material goods
- Cultural heritage



FNEZ

Project description

Definition of

environmental

and sources of

Impact analysis

emissions

Definition of emissions





STEP 1 Split into four groups. Each group will identify and assess key impacts for the following infrastructure:

Group no. 1 – subsea cables

Group no. 2 – offshore substation

Group no. 3 – onshore cables (including landfall)

Group no. 4 - and overhead lines

STEP 2 In groups discuss the most significant impacts in point of view of the group. Pick 2 impacts.

STEP 3 Characterize impacts and fill in a table

Impact	Receptor	Impact character istics	lmpact scale	Impact frequency	Impact duration	Impact intensity	Impact reversibility	Impact size







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