

OFFSHORE WIND ENERGY

ACTIVITIES IN POLAND

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Polish Offshore Wind Energy Society



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Polish Offshore Wind Energy Society (PTMEW)

ORGANIZATION PROFILE

- **Established in 1997** to promote wind energy development
- Since 2008 **dedicated exclusively to offshore wind energy**
- Since 2011 acts as the **offshore wind industry network** in Poland
- Gathers: developers/investors, producers, service suppliers
- Member of:
 - European Wind Energy Association (EWEA)
 - World Wind Energy Association (WWEA)



Polish Offshore Wind Energy Society (PTMEW)

OFFSHORE WIND INDUSTRY NETWORK IN POLAND



Polish Offshore Wind Energy Society (PTMEW)

MAIN PARTNERS

- Wind Energy Network (Rostock)
- Maritime Institute in Gdansk
- Institute of Renewable Energy
- MORCEKO
- Association of Polish Maritime Industries
- Polish-German Chamber of Commerce
- Technical University of Gdansk
- West-pomeranian Technical University in Szczecin



Perspectives of OWE development in Poland

Capacity of the Polish maritime areas

3.500 km² – areas potentially favourable for OWF location

2.000 km² – areas available for development till 2030

10 GW – theoretical capacity of the available area

NREAP – 500 MW in 2020

Expected development scenario

1 GW – 2020

3 GW – 2025

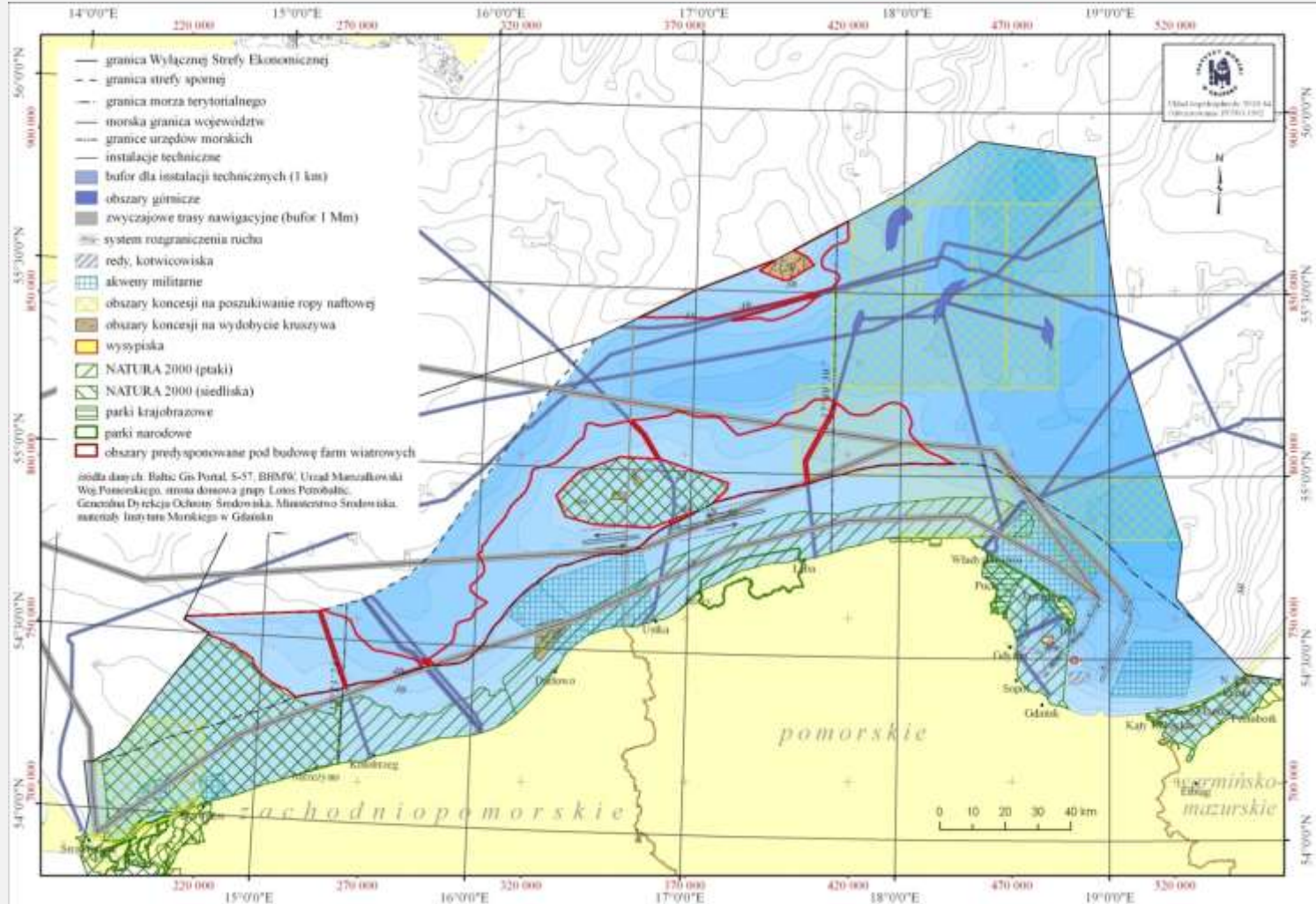
6 GW – 2030

Current situation

2011 - Revised Maritime Act started the location procedures

2012 – First location decisions and grid connection conditions

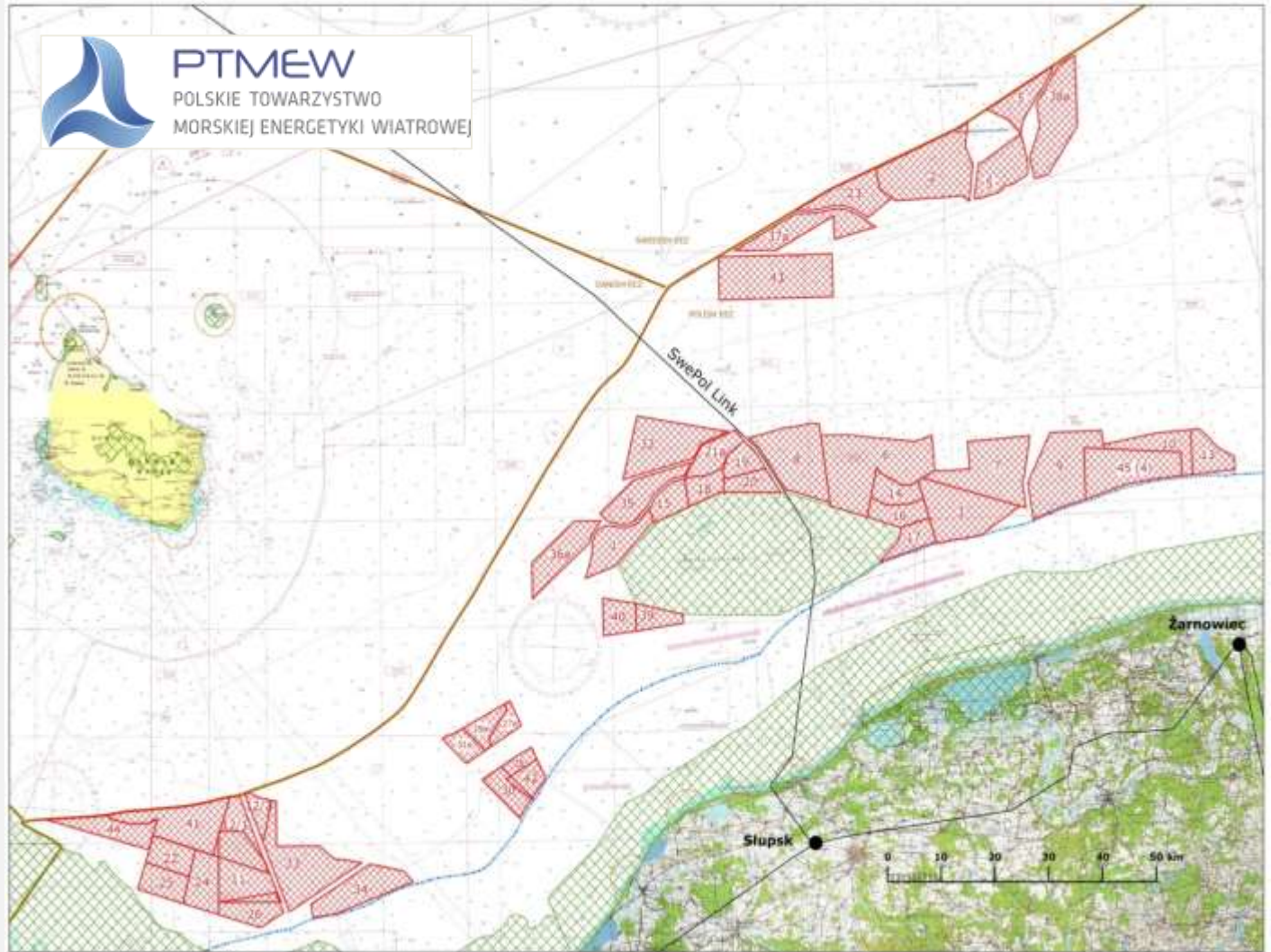
Perspectives of OWE development in Poland



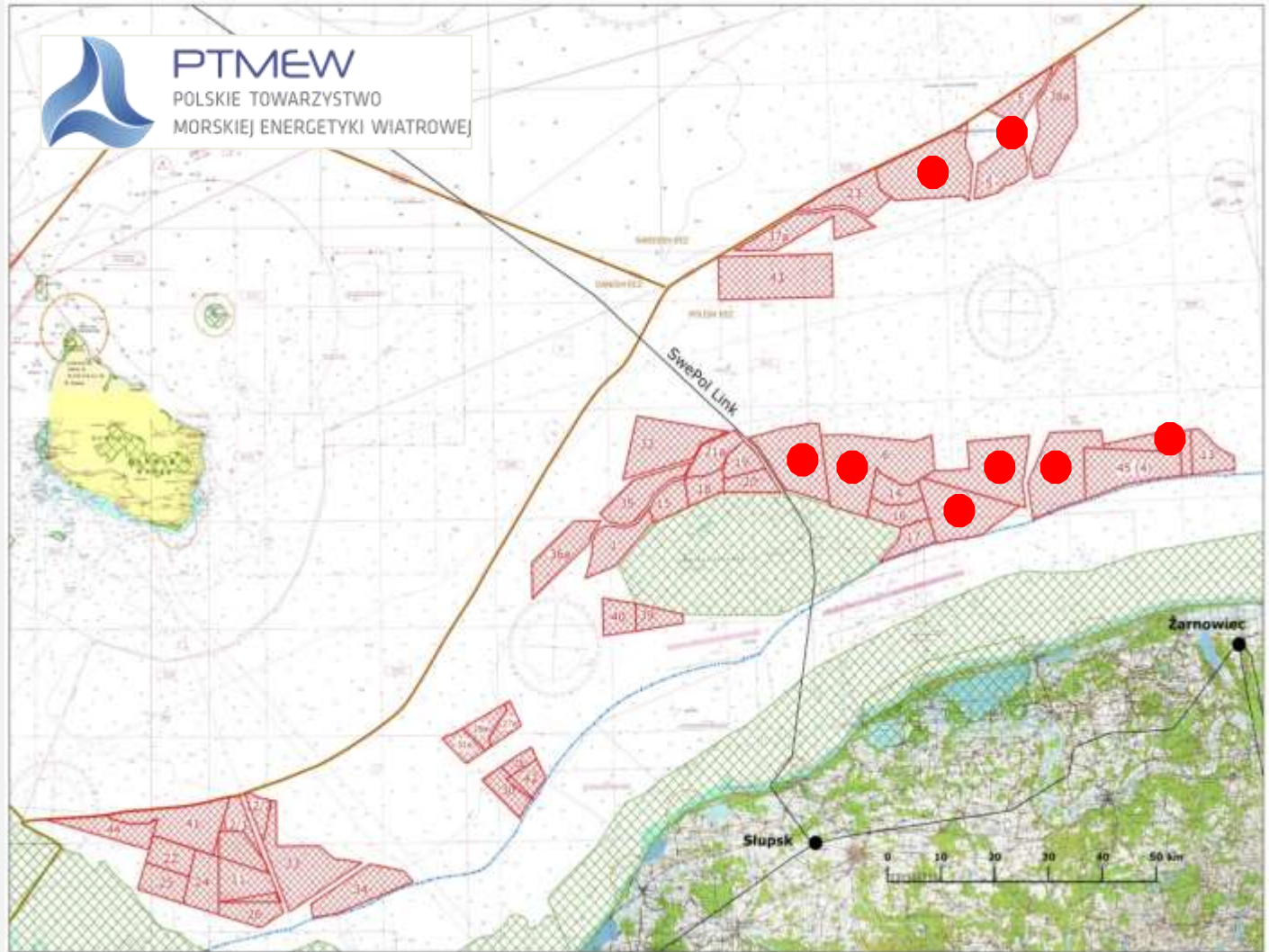
Offshore wind farm development process

- ~70** location applications submitted
- 25** positive location decisions granted
- 8** location decisions finally paid and valid
- 8** location decisions awaiting for payment
- 9** location decisions expired due to lack of payment
- 23** applications rejected
- 12** EIA procedures launched
- 2** connection conditions granted by TSO (2,25 GW)

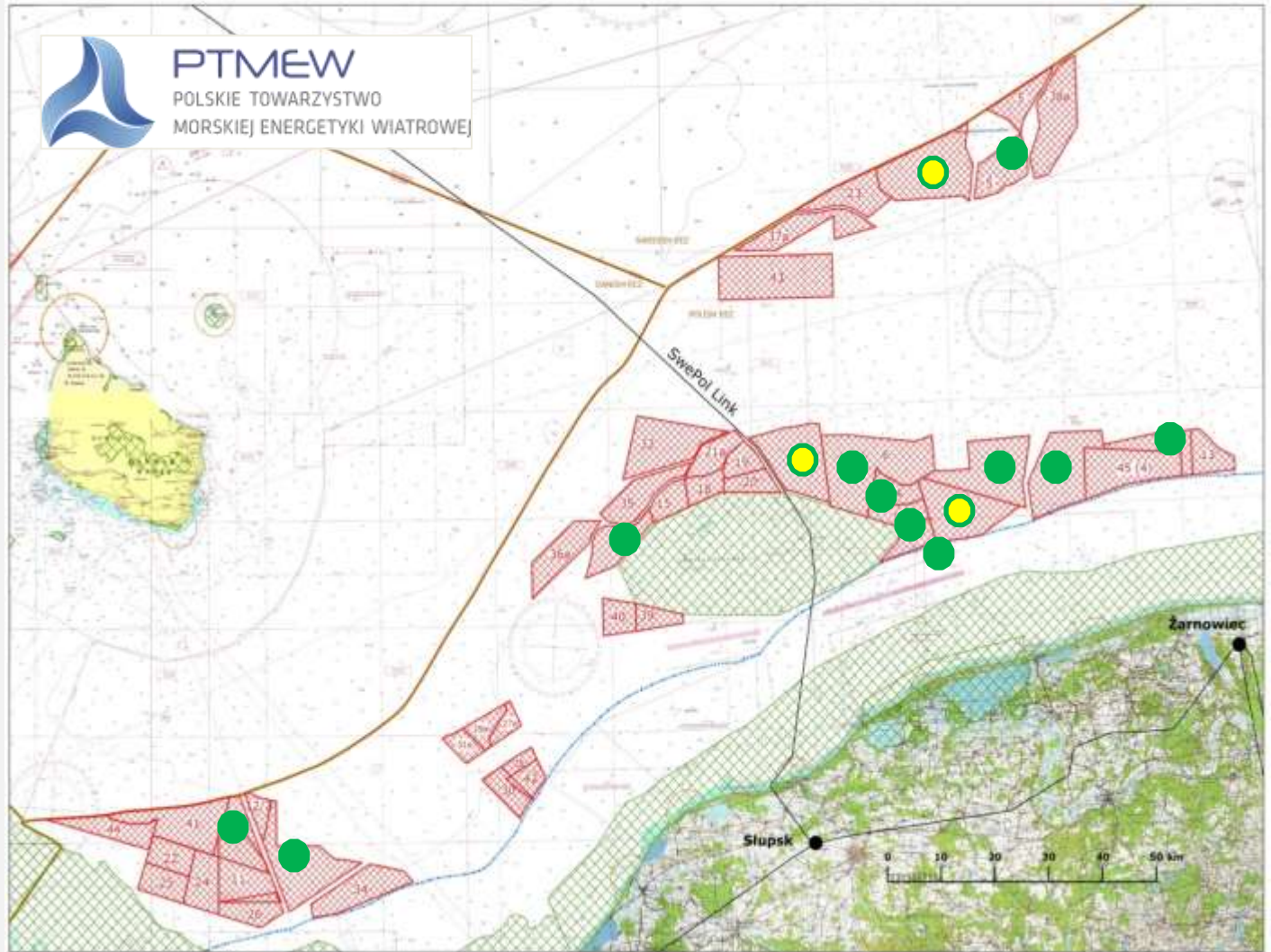
Submitted OWF location applications



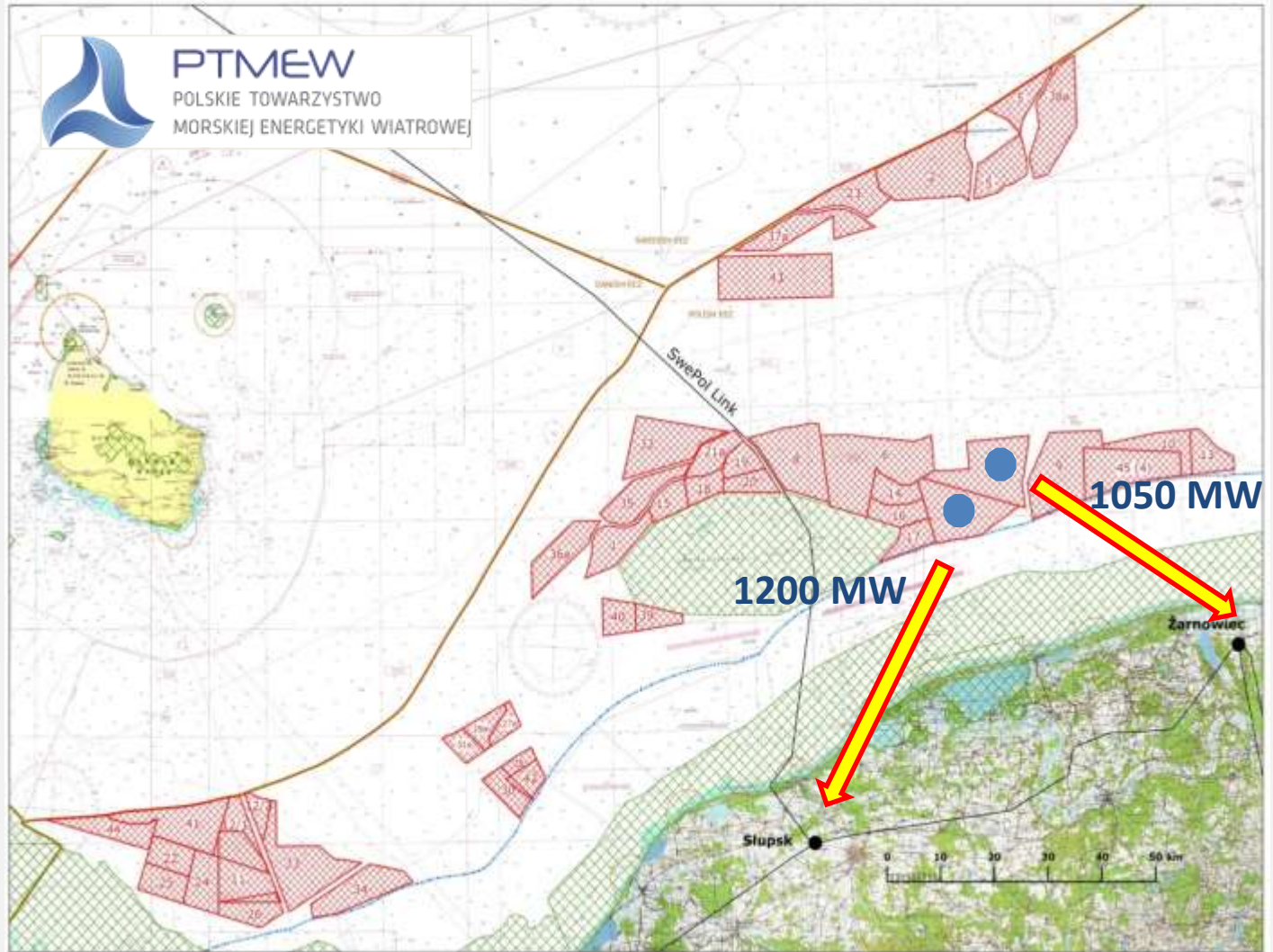
OWF location decisions granted and validated



EIA procedures and marine surveys started



Grid connection conditions granted by TSO



Key issues to be solved

- Long-term political support for RES
- Revision of the RES support system
- Grid connection - limited grid capacity
- Regulation development incl. MSP
- Development of logistics infrastructure and production facilities
- Cross-border Baltic offshore grid



OWE in maritime spatial planning

Maritime spatial planning status

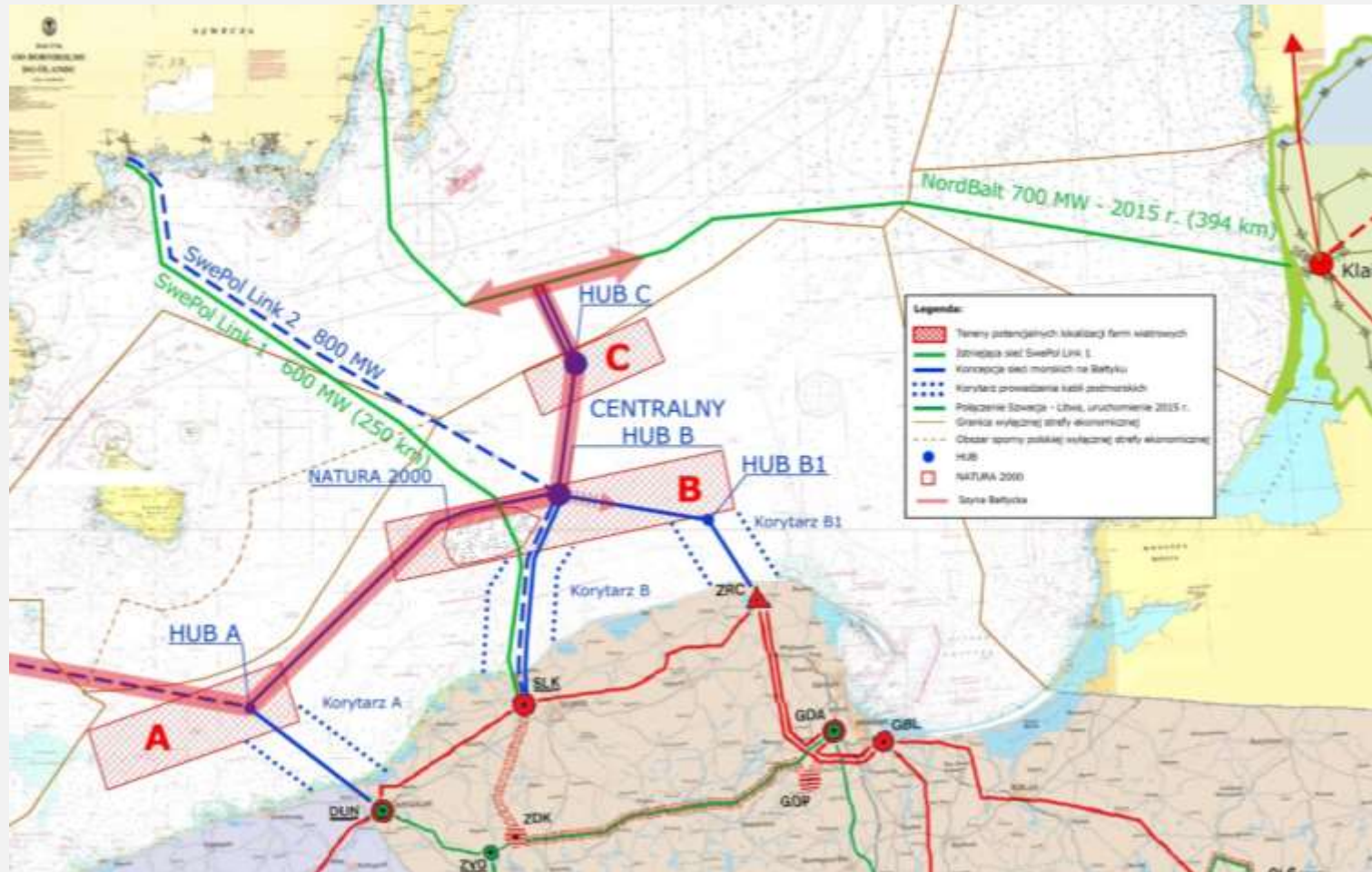
- No binding maritime spatial plans
- OWF sites secured by individual location decisions
- OWF export cables follow the same individual way
- No formal maritime spatial regulations / guidelines
- **2014** – expected start of MSP preparation studies

Potential conflicts with other sea uses

- fishery
- navigation routes
- mineral resources
- navy / air force



Baltic offshore grid concept – Polish section





Polish production for the offshore wind energy sector





Thank you for attention

Polish Offshore Wind Energy Society

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