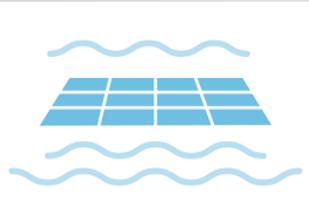


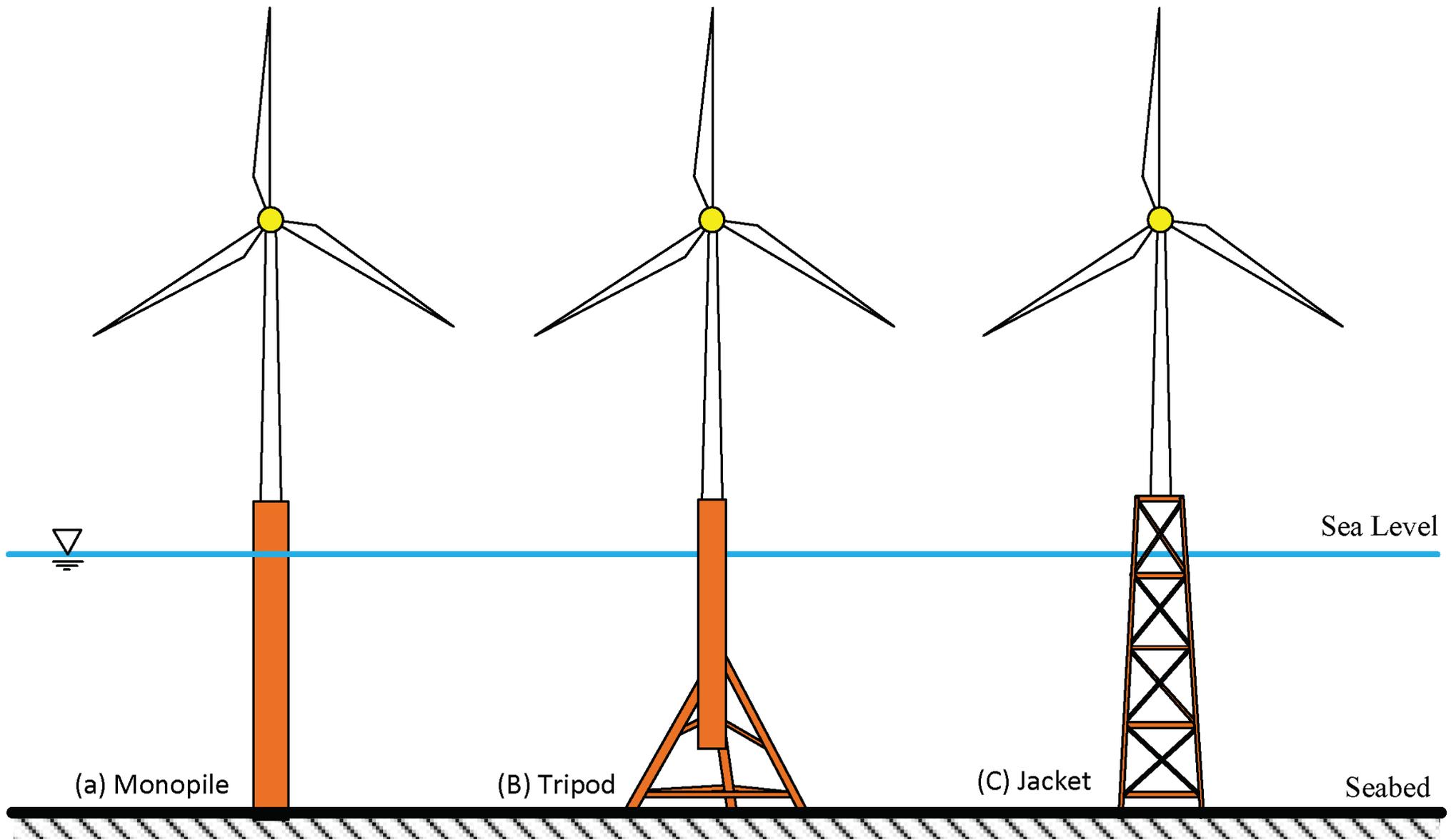
THE MARINE SPATIAL MANAGEMENT ELEMENTS ESTABLISHING OFFSHORE WIND FARM PROJECT



DR. YIYUAN WILLIAM SU

VERRA CARBON SOLUTION CONSULTING LTD.





Civil Aviation Law

Fishing Act

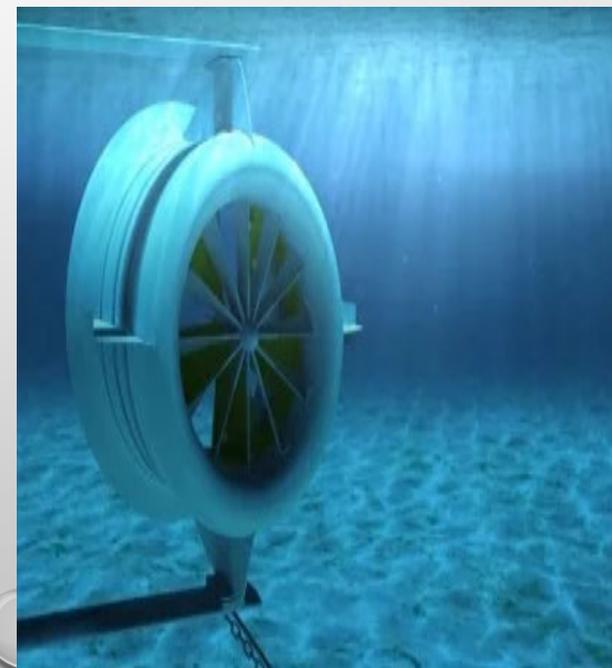
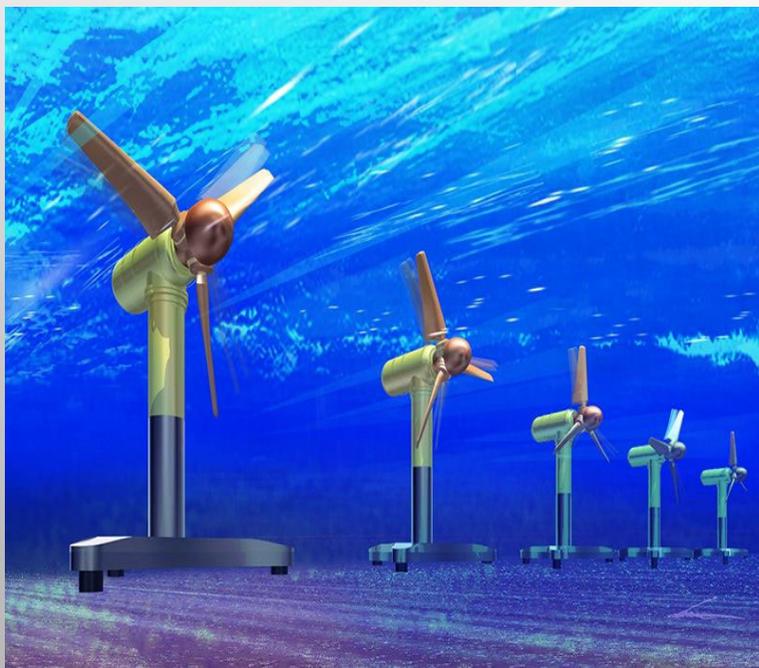
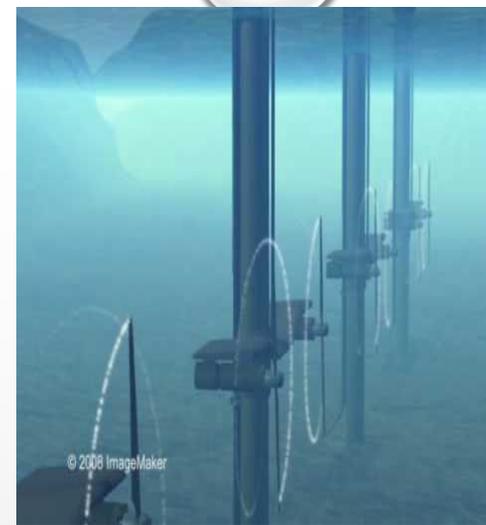
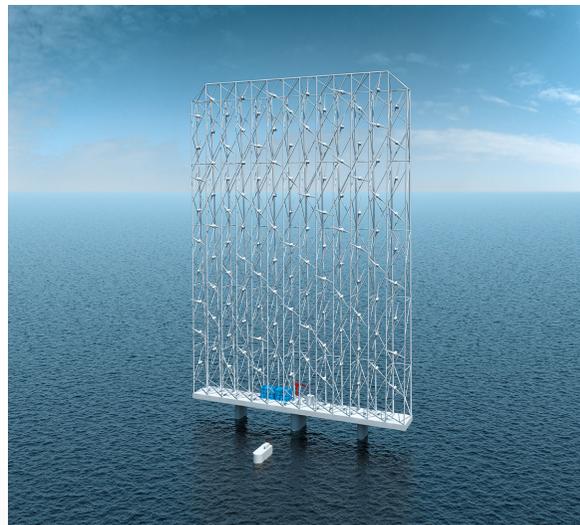
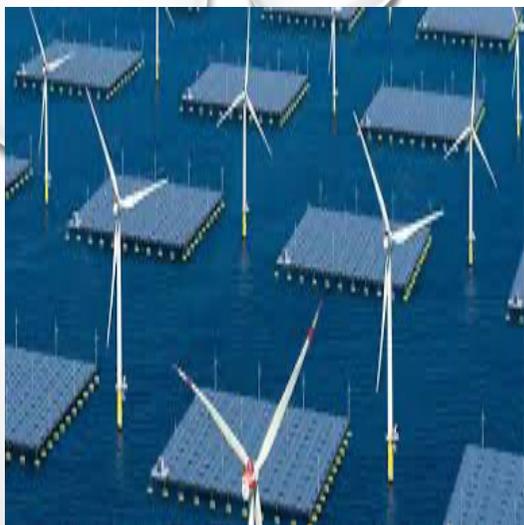
Coastal land Management Law

The Territorial Sea and the Contiguous Zone Law

Sea bed and subsoil

Continental Shelf Law







LEGISLATIVE EXPERIENCES AND COMPARISONS



BELGIUM

- 1999, PROTECTION OF THE MARINE ENVIRONMENT IN THE SEA AREAS UNDER THE JURISDICTION OF BELGIUM (LAW)
 - MARINE PROTECTED AREAS AND SPECIES PROTECTION
 - PREVENTION, AND RESTRICTION OF ENVIRONMENTAL POLLUTION
 - ENVIRONMENTAL IMPACT ASSESSMENT (EIA)
 - AUTHORIZATION
 - EMERGENCY MEASURES FOR MARINE PROTECTION
 - PENALTIES
- 2012, AMENDED *LAW OF 20TH JANUARY 1999*
 - NEW TITLE” LAW FOR THE PROTECTION OF THE MARINE ENVIRONMENT AND FOR THE ORGANIZATION OF MARINE SPATIAL PLANNING IN THE SEA AREAS UNDER THE JURISDICTION OF BELGIUM”
 - BELGIAN MARINE SPATIAL PLAN
 - PRINCIPLES
 - PREVENTIVE ACTION
 - PRECAUTIONARY PRINCIPLE
 - SUSTAINABLE MANAGEMENT,
 - THE POLLUTER PAYS PRINCIPLE
 - THE RECOVERY PRINCIPLE
 - PROCEDURES: PLANNING PROCESS, A PUBLIC INVESTIGATION, A STRATEGIC ECOLOGICAL IMPACT REPORT.

- **NEW *BELGIAN MARINE SPATIAL PLAN* ((*MARIEN RUIMTELIJK PLAN*))**
 - SEA SPACE AS A PUBLIC GOOD. ONLY CAN BE USED FOR PUBLIC GOOD.
 - CONSIDERS MULTIPLE USES OF SPACE

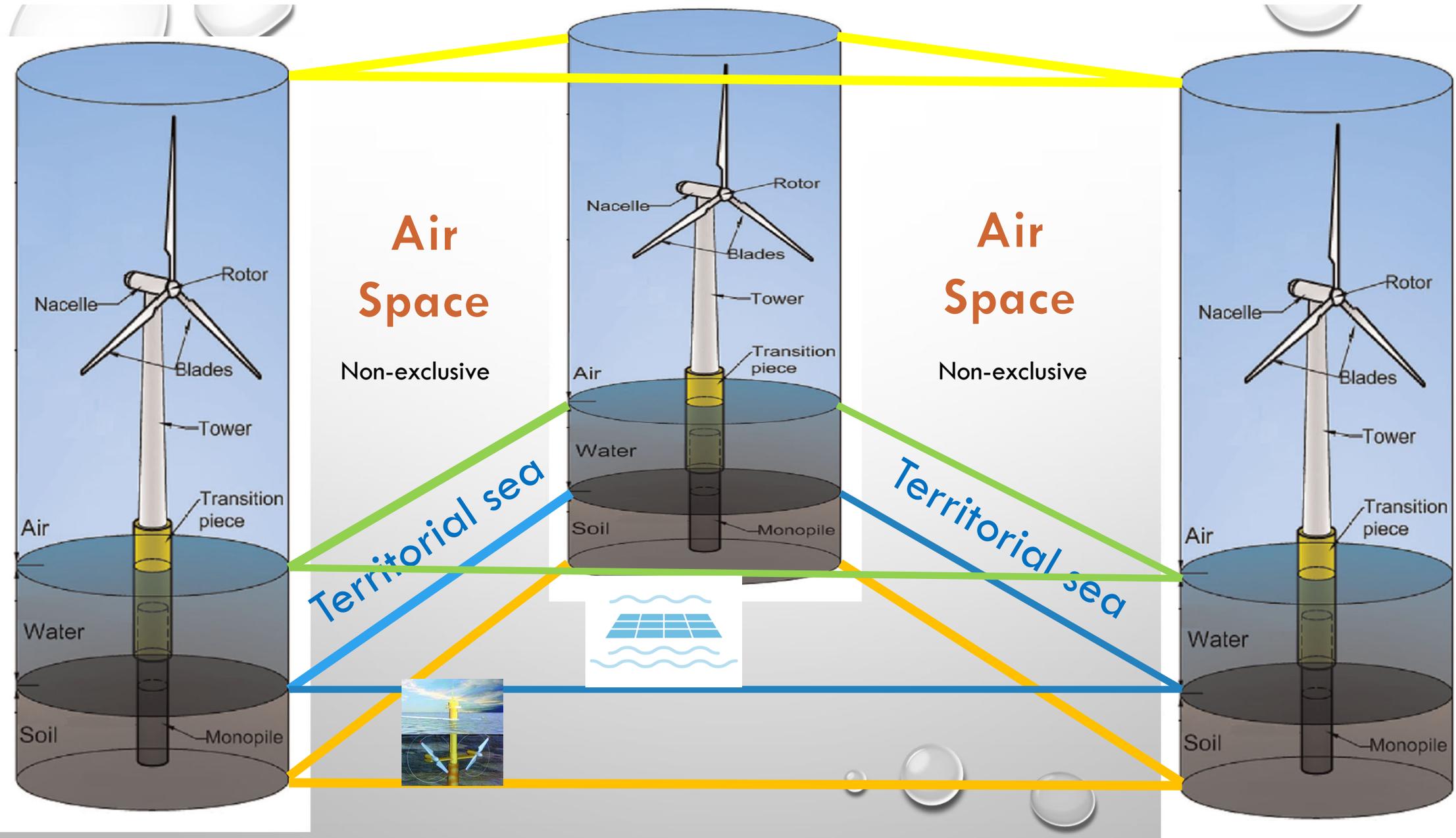
- **BELGIAN FEDERAL ELECTRICITY ACT, 1999**
 - CONSTRUCTION PERMIT ISSUED BY THE MINISTER OF ENERGY TO THE OPERATOR
 - **DOMAIN CONCESSION PERMIT** FOR OFFSHORE WIND PROJECTS
 - ROYAL DECREE ON DOMAIN CONCESSIONS OF THE 20TH OF DECEMBER 2000
 - THE ENVIRONMENTAL PERMIT (MILIEUVERGUNNING)
 - THE RIGHT TO CONSTRUCT, OPERATE THE INSTALLATION (20 YEARS)
 - MARINE PROTECTION ACT, 1999
 - MARINE EIA
 - ROYAL DECREE ON MEP, 1999
 - THE CABLE LAYING PERMIT (KABELLEGVERGUNNINGEN)
 - ISSUED FROM THE FEDERAL PUBLIC SERVICE FOR ECONOMIC AFFAIRS
 - FEDERAL ACT OF 1969
 - NATURA 2000 (NATURAL HABITAT OR SPECIES)

GERMANY MARITIME SPATIAL PLANNING

- FEDERAL REGIONAL PLANNING ACT 2008 (RAUMORDNUNGSGESETZ, HEREAFTER CALLED ROG)
 - PROVINCIAL GOVERNMENT: TERRITORIAL SEA.
 - FEDERAL GOVERNMENT: EEZ AND THE HIGH SEAS.
 - NON-EXCLUSIVE OR NON-DOMAIN CONCESSION PERMIT
- *SITE DEVELOPMENT PLAN (FLÄCHENENTWICKLUNGSPLAN, HEREAFTER CALLED FEP)*
 - THE PLANNING APPROVAL PERMIT (WINDSEEG , 2020)
 - VALID FOR THE USAGE OF **WIND ENERGY INSTALLATIONS, CABLE LAYING AND DISPATCH**
 - THE MARITIME FACILITIES ACT, 2017 (SEEANLAGENGESETZ – SEEANLG)
 - **OFFSHORE HYDROPOWER, WAVE, AND TIDAL TECHNOLOGIES**
 - USAGE OF “PLANNING REVIEW” BUT NOT PERMITS.

NETHERLANDS

- LAND USE PLANNING ACT (WET RUIMTELIJKE ORDENING) & NATIONAL WATER PLAN, 2009
 - MARINE SPATIAL PLAN IS INCLUDED.
 - THE BIDDER OWNS EXCLUSIVE RIGHTS ON THE DESIGNATED ZONE.
- THE MULTIPLE USE ASSESSMENT FRAMEWORK (AFWEGINGSKADERS) 2022
 - UMBRELLA PERMITS
 - PERMITTED FOR MULTIPLE USE OPERATIONS IN OFFSHORE WIND FARMS
 - PERMITS HOLDERS OWNS EXCLUSIVE RIGHTS ON THE APPOINTED MARINE AREA.



CONCLUSIONS

	Belgium	Germany	Netherland	Chinese Taipei
Laws	V	V	V	X
Maritime spatial plan (within territorial sea)	V	V	V	V
Space usage right	Exclusive / domain concession	Non-exclusive	Exclusive / domain concession	Non-exclusive
Permits	MEIA permits Cable permits	X, planning application and review	Umbrella permits	X, planning application and review EIA only.
Multiple usage of spaces	V	X	V	X