

# SUBSEA CABLE REPAIRS

*TSO's resources mutualisation*

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## WETS'15 Workshop

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Réseau de transport d'électricité

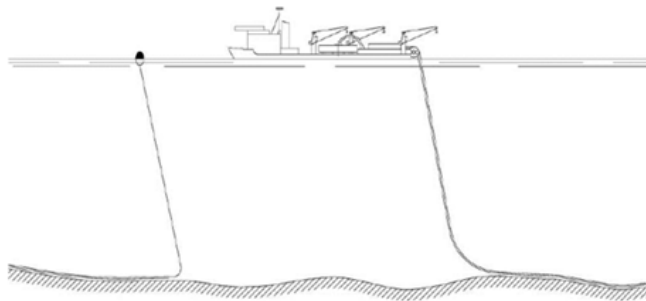


## CRUCIAL FUNCTIONS

- Interconnection
- Renewable energy production export

## SPECIFIC REPAIR MEANS

- Important marine means with consequent mobilisation lead time (vessels busy by long installation campaigns : up to a few months)
- Significant delay of repair operations



### ONE SHOT CONTRACT (when fault happens)

Pros: no costs if no faults

Cons: time consuming tendering, poor position to negotiate with the contractors  
vessels availability depending on market conditions

### FRAMEWORK MAINTENANCE CONTRACT AGREEMENT

Pros: simple contract activation when needed

Cons : difficult to obtain a time response guarantee, unless dedicated vessel  
important costs if few subsea links to deal with

Better conditions for maintenance framework agreement could be obtained if it covers long length and big number of submarine cables.

Hence, it becomes interesting for TSOs to find shared solutions

→ Pooling of vessels resources

Dedicated vessel for maintenance through a consortium agreement between TSOs and ship owners

→ Reduce costs and time response

→ Mitigation of risks

### ACMA

Cooperative subsea maintenance agreement for companies responsible for the operation and maintenance of undersea communication and power cables

- 3 ships dedicated
- Proportional contribution function of asset length
- Response delay of 24 hours for a ship and shift mobilisation

AN OPPORTUNITY FOR TSOs OPERATING SUBSEA LINKS

# Thank you for your attention !

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