



M. Dogliani

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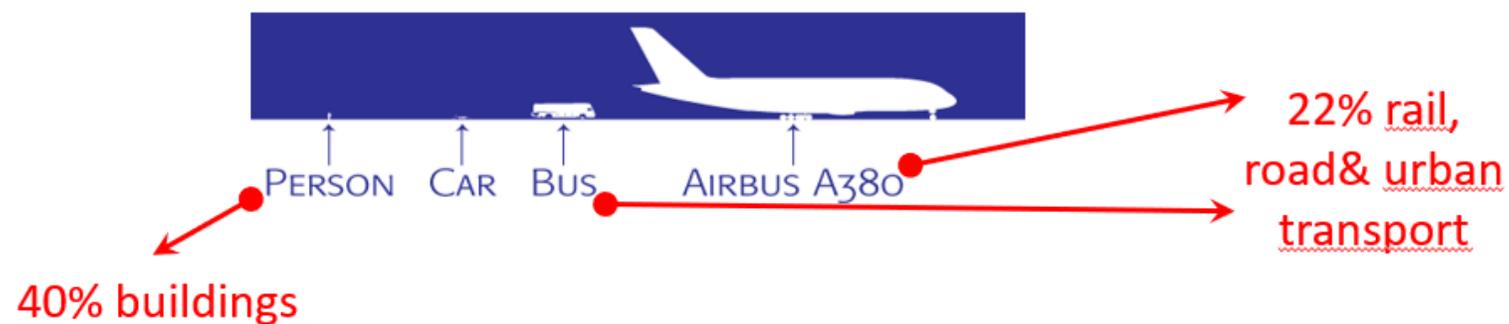
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COSA POSSIAMO FARE?

Emissioni in atmosfera (EU)



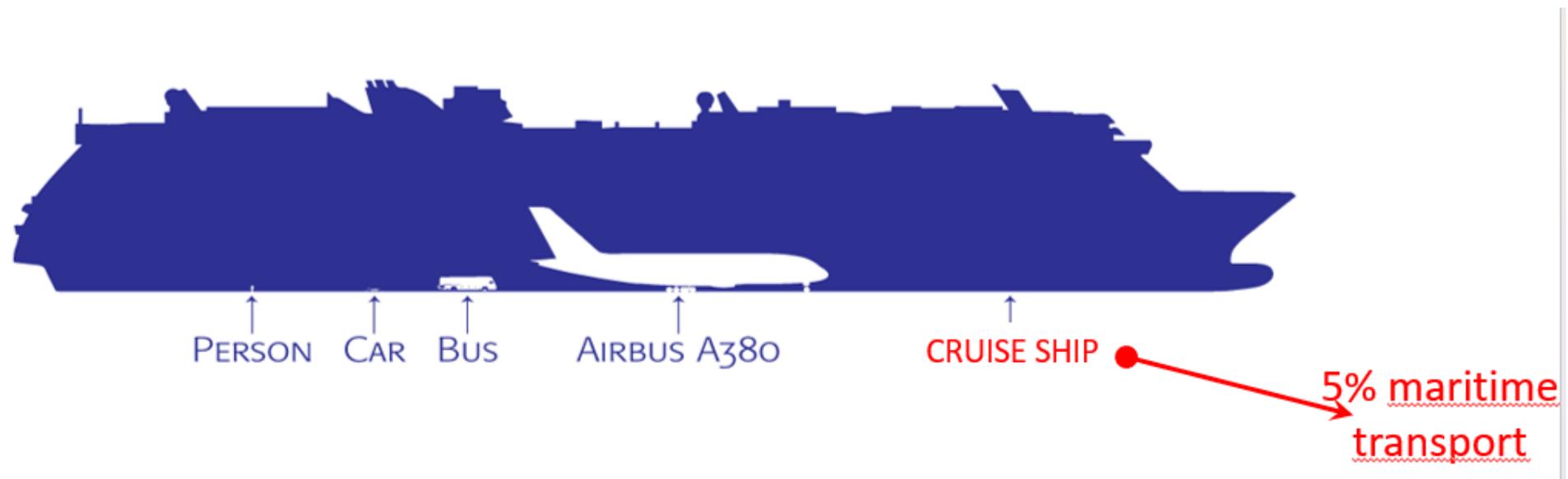
LIFE4MEDECA

Per un Mediterraneo a basse emissioni



CONTESTO

Emissioni in atmosfera (EU)



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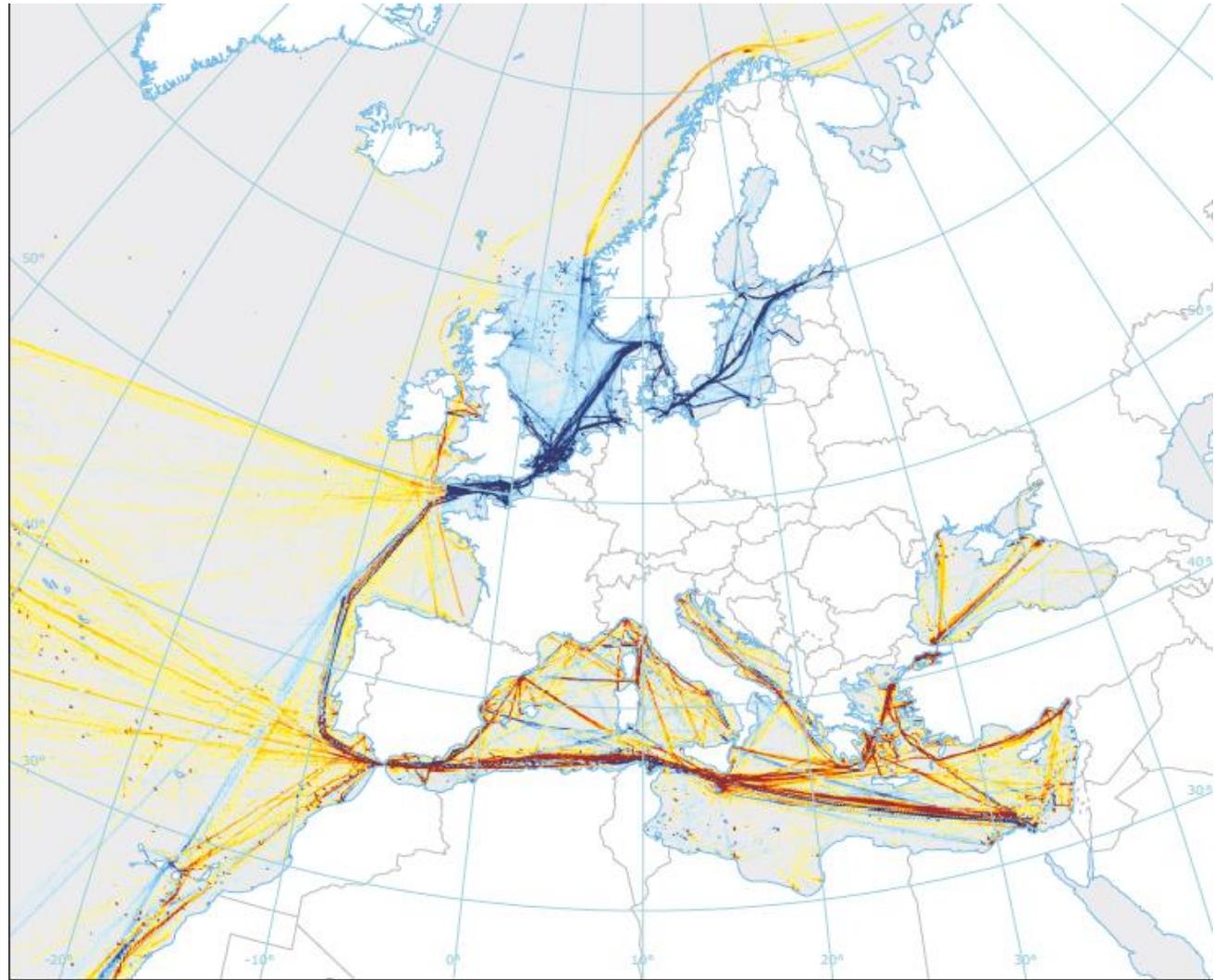
Per un Mediterraneo a basse emissioni



CONTESTO

CONTESTO

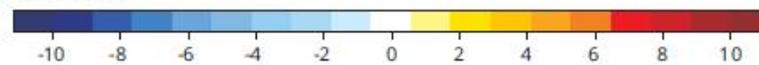
Emissioni In atmosfera



Reference data: ©ESRI

2014-2019 Difference of SO_x emissions from shipping in European Seas

Tonnes of SO₂

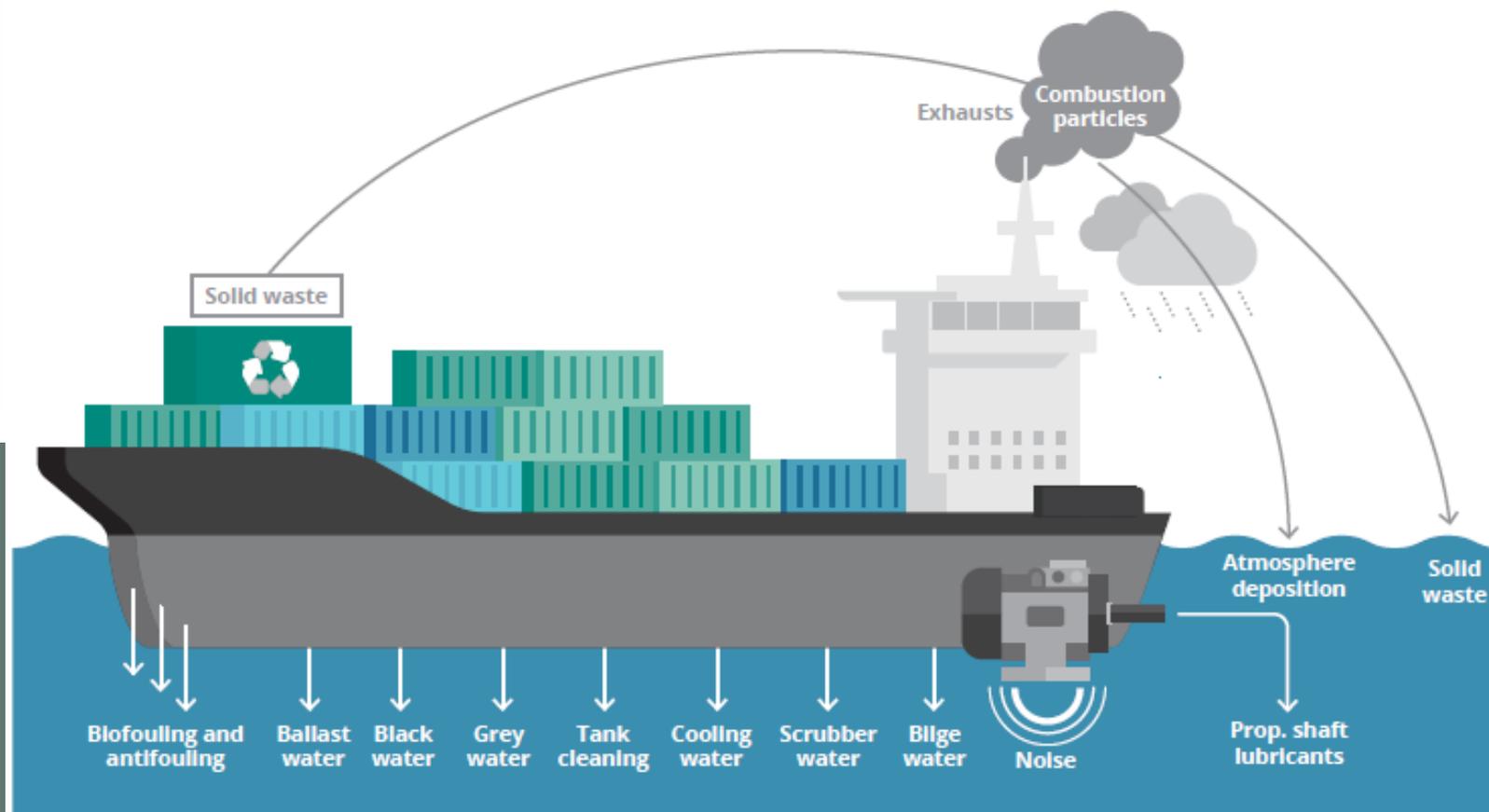


0 500 1000 1500 km

CONTESTO

Emissioni Marittime (tutte)

Figure 4.16 Subsystems on board ships that produce water pollution

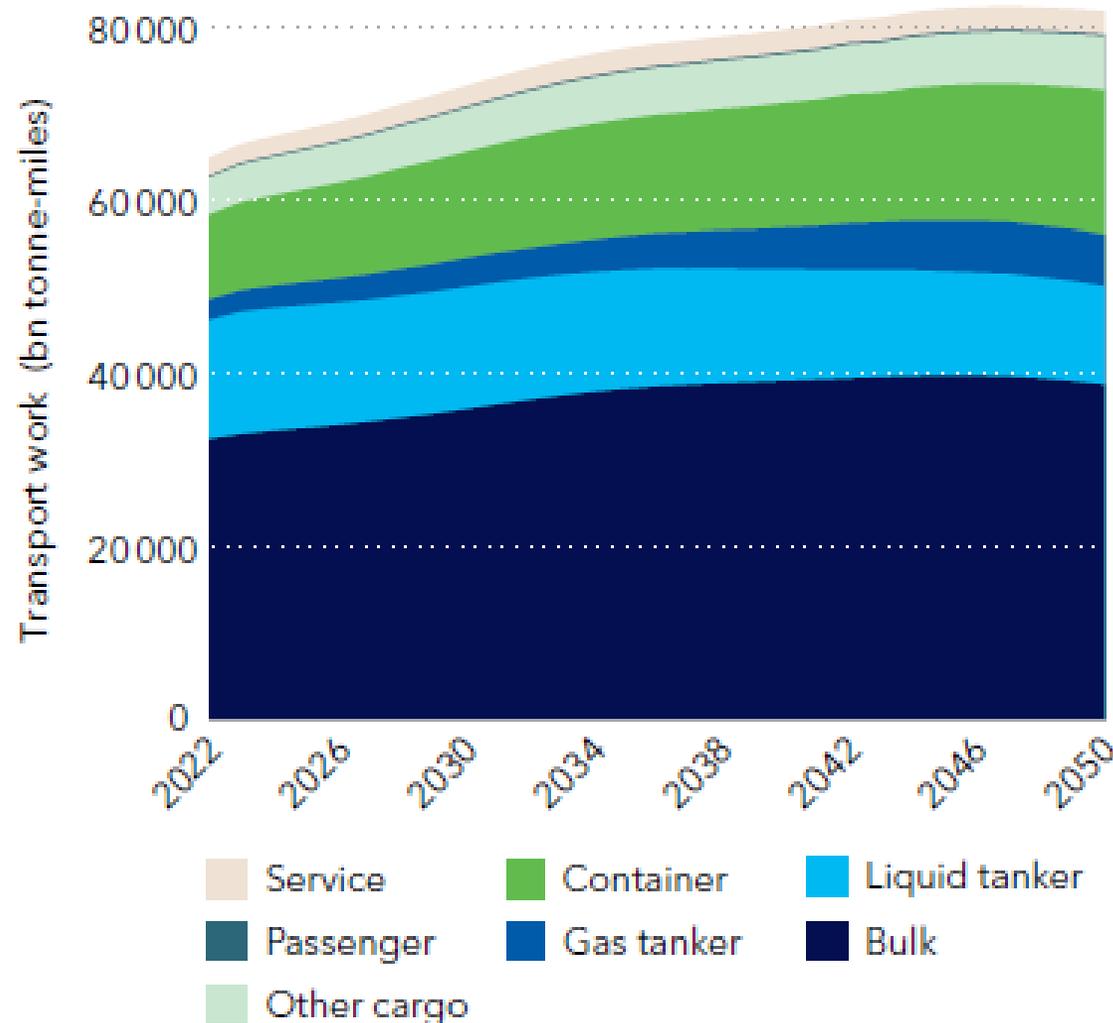


Source: SHEBA project (2018).

LA CRESCITA DEL TRASPORTO MATTTIMO

2025-2050 = +25%

Projected transport work (billion tonne-miles) up to 2050 by main ship categories



LA CRESCITA DEL
TRASPORTO
MATTTIMO
RICHIEDE

Decarbonizzazione

Symphony of the Seas = 110 MW



LA CRESCITA DEL
TRASPORTO
MATTTIMO
RICHIEDE

Decarbonizzazione

Madeira (250000 abitanti) = 290 MW



LA CRESCITA DEL
TRASPORTO
MATTTIMO
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Competenze
&
conoscenza

Personale marittimo 2050

New Skills

New skills will be required to maximise the benefits of a fully integrated logistics supply chain. These skills will include:

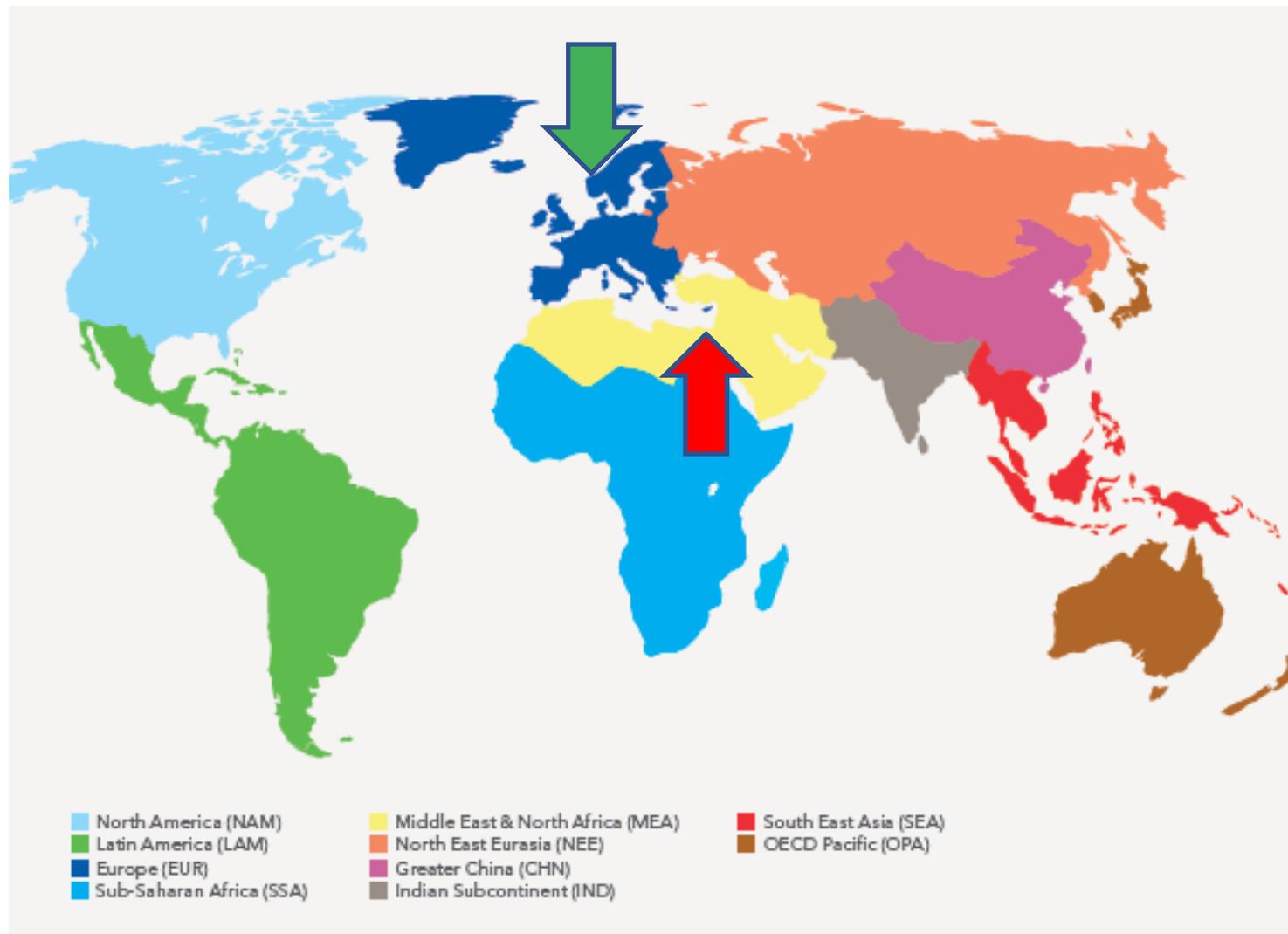
- Big data management
- Big data analytics
- Automated operation and maintenance (O&M)
- Management of complex service constructs
- Management of data belts to keep them safe from cyber attacks and maintain its integrity



Ship operations will be conducted partially or entirely onshore and remotely manned by personnel with doctorate degrees

LA CRESCITA DEL
TRASPORTO
MATTTIMO
RICHIEDE

Consapevolezza:
esigenze
diverse

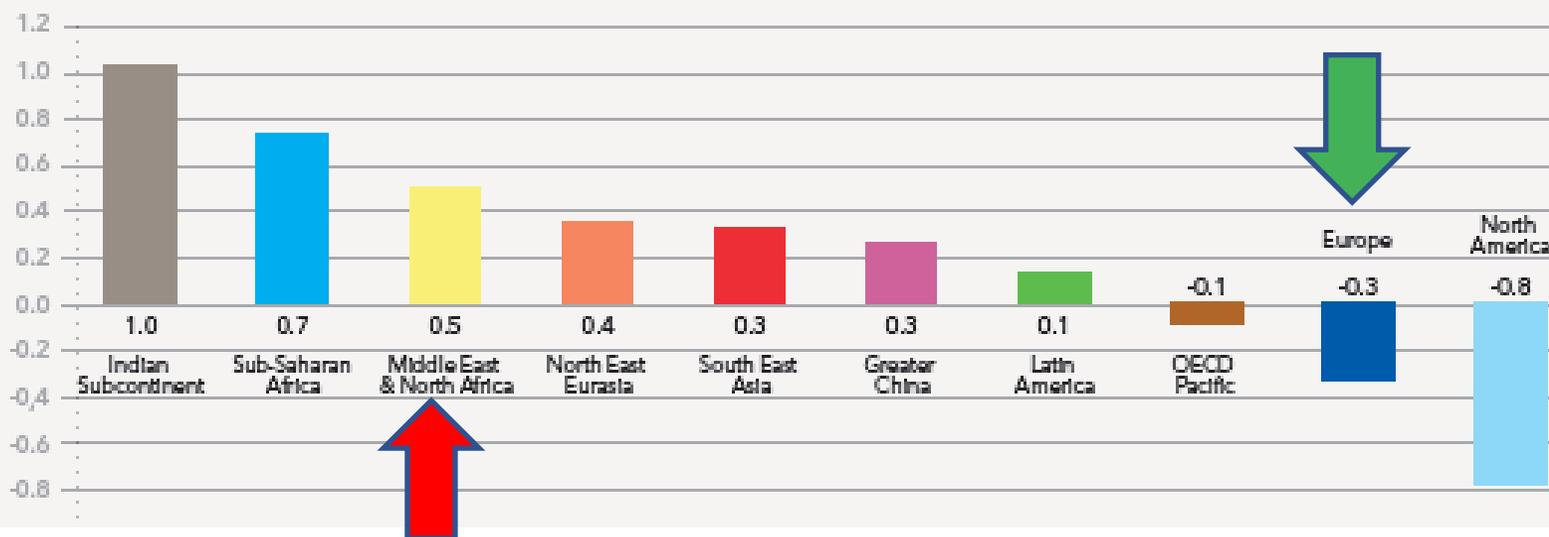


LA CRESCITA DEL
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Consapevolezza:
esigenze
diverse

2050 Energy-related CO₂ emissions after CCS and DAC

Units: GtCO₂/yr

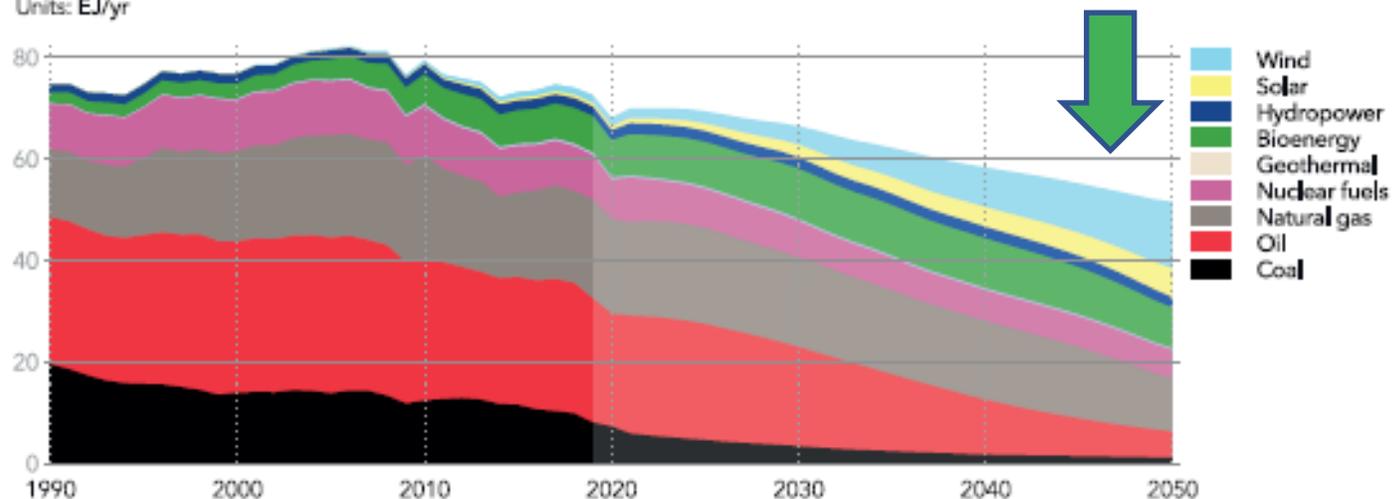


LA CRESCITA DEL
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MATTIMO
RICHIEDE

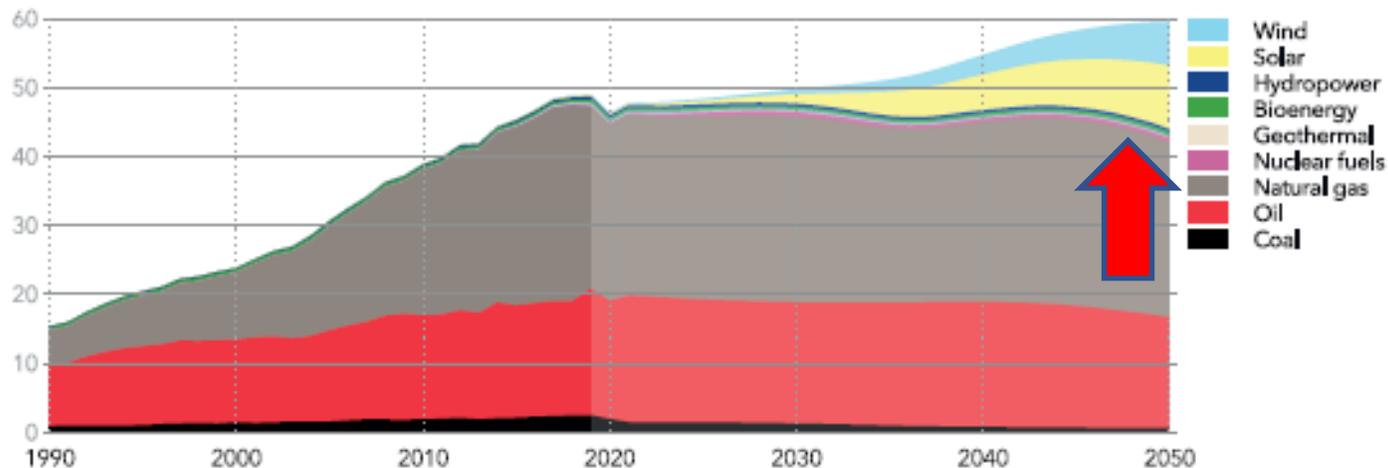
Consapevolezza:
soluzioni
diverse

Europe primary energy consumption by source

Units: EJ/yr



Units: EJ/yr



Historical data source: IEA WEB (2020)



"Ask not what your country can do for you, ask what you can do for your country"

- John F. Kennedy



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Per un Mediterraneo a basse emissioni



**COSA POSSIAMO FARE
PER IL MEDITERRANEO?**

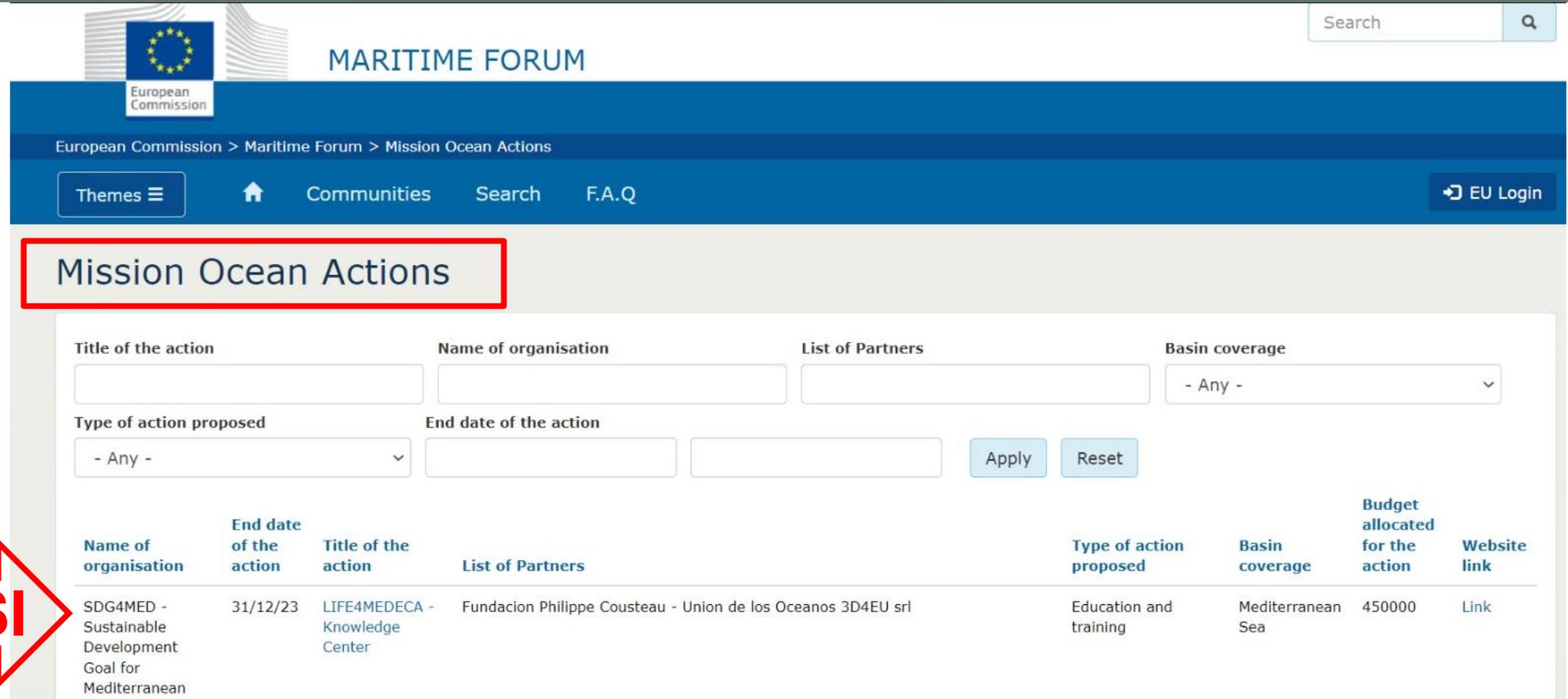
Cosa possiamo fare per il Mediterraneo?



3rd LIFE4MEDECA International Conference Greening the MED: **a shared approach to the transition**

18th – 19th September, Bibliotheca Alexandrina, Al Azarilah WA Ash Shatebi, Bab Sharqi, Alexandria Governorate 21526, Egypt

Siete pronti?



MARITIME FORUM

European Commission > Maritime Forum > Mission Ocean Actions

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Mission Ocean Actions

Title of the action
 Name of organisation
 List of Partners
 Basin coverage:

Type of action proposed:
 End date of the action:

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Name of organisation	End date of the action	Title of the action	List of Partners	Type of action proposed	Basin coverage	Budget allocated for the action	Website link
SDG4MED - Sustainable Development Goal for Mediterranean	31/12/23	LIFE4MEDECA - Knowledge Center	Fundacion Philippe Cousteau - Union de los Oceanos 3D4EU srl	Education and training	Mediterranean Sea	450000	Link

NOI SI