GES4SEAS | HABs
DECISION TREE

Background knowledge

Monitoring

HAB events

Initial assessment: Define HABs
Indicators & GES thresholds for prevailing conditions (site specific)
i) State of phytoplankton biomass and taxa composition (e.g.blooms frequency, extent, intensity)
ii) Impacts (e.g. biotoxin events frequency, extent, intensity)

Application of GES thresholds

Other regulations & directives

Control & mitigation measures

(e.g. Food safety regulations, regulations for release of algicides, ultrasounds , etc., in HABs fighting treatments, comercial bans, etc...)

Revision of GES (i.e. climate change shifts), indicators, targets, etc.

Compliance with GES

No compliance with GES

Next cycle

EBM approach

Are these (likely) caused by anthropogenic pressures?

Use **GES4SEAS MAMBO**

Regulations & directives

MSP
UWWTD
Nitrates
Food regulations
HD & BD
BWD
CFP
WFD
...

Institutions

RSCs
ICES
EEA
Copernicus
EFSA
Eurostat
...

Yes

Not enough evidence

No

MSFD GES Assessment

Art. 8.1
a. Analysis of essential features and status
b. Analysis of pressures and impacts
c. Socio-economic analisis of the use of those waters

Set investigative monitoring programmes

Exceptions

Art. 14
Justify that although causing a GES deviation, it is not manageable as not linked to human pressures

Precautionary approach

Establishment of targets Art. 10

Identify & Apply Mesures Art. 13

Monitoring Art. 11