



MED4EBM Identified and Mainstreamed Management Protocols: challenges *versus* solutions and lessons learnt.

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Regency Gammarth, Tunis
Dr Francesca Pella





THANK YOU

UNDP Jordan	ADT	JREDS	INSTM	TCNR
Mohammad Badran	Donovan Baldassarri Manrico Benelli Matteo Onori	Waed Ajarmeh Hala Ghazi Abd Allah al Zoubi Jafar Alomari Maysoon Kteifan Abdel Rahman Abu Hamdeh	Amel Bellaaj Zouari Ghada Souilah Ismail Hamza	Ali Badreddine Raghda Saad

AND ALL THE STAKEHOLDERS AND COLLABORATORS



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DATA

ANALYSIS

ACTION

CHECK \rightleftarrows **ANALYSIS**



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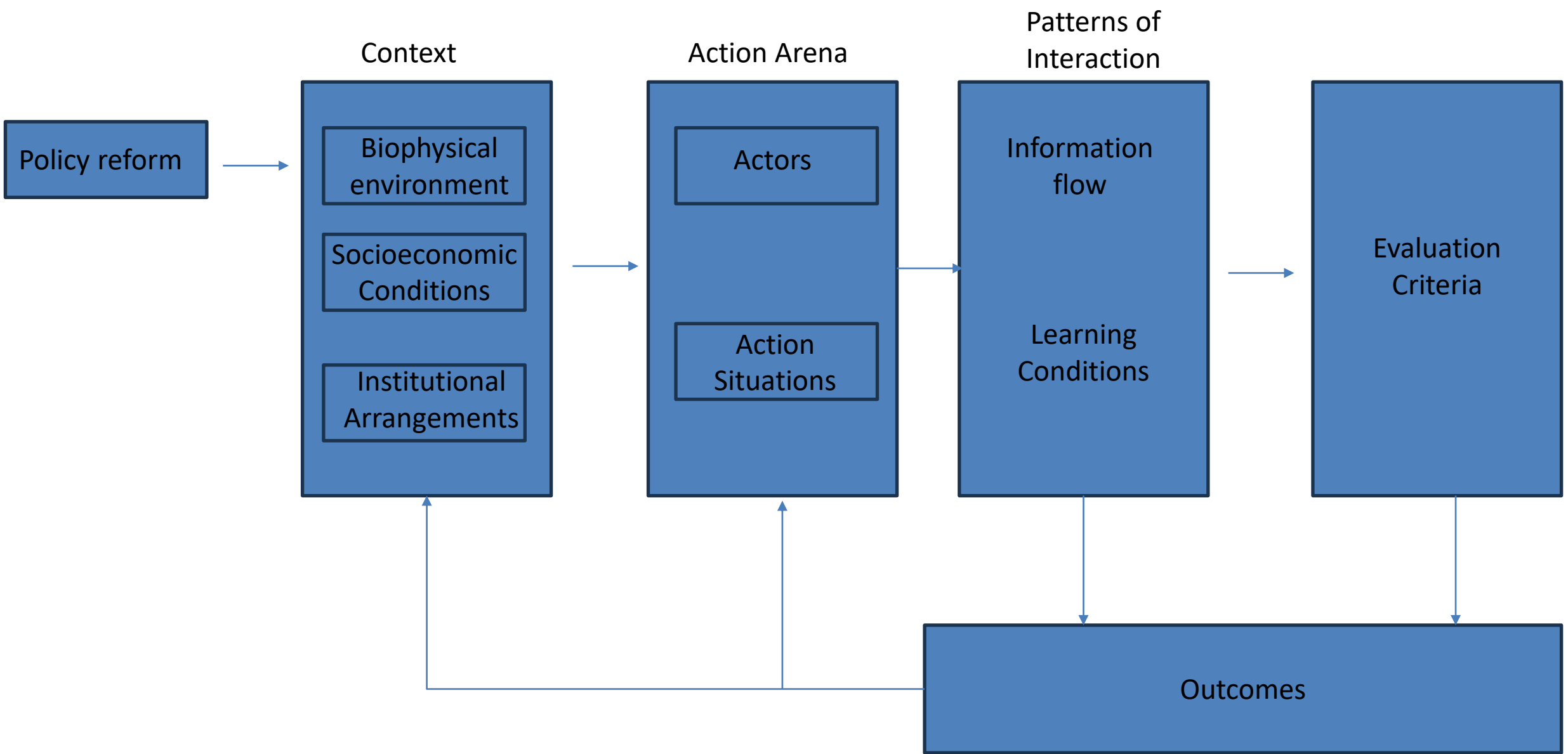


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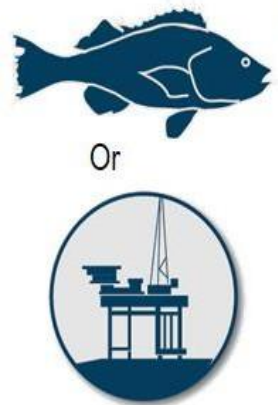
CHECK → ANALYSIS
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From: Institutional Analysis and Development (IAD) framework (Based on Ostrom et al 1994:37)

Comment Pella: the framework was copied from: Monkelbaan 2019, pag. 33

Ecosystem Based Management

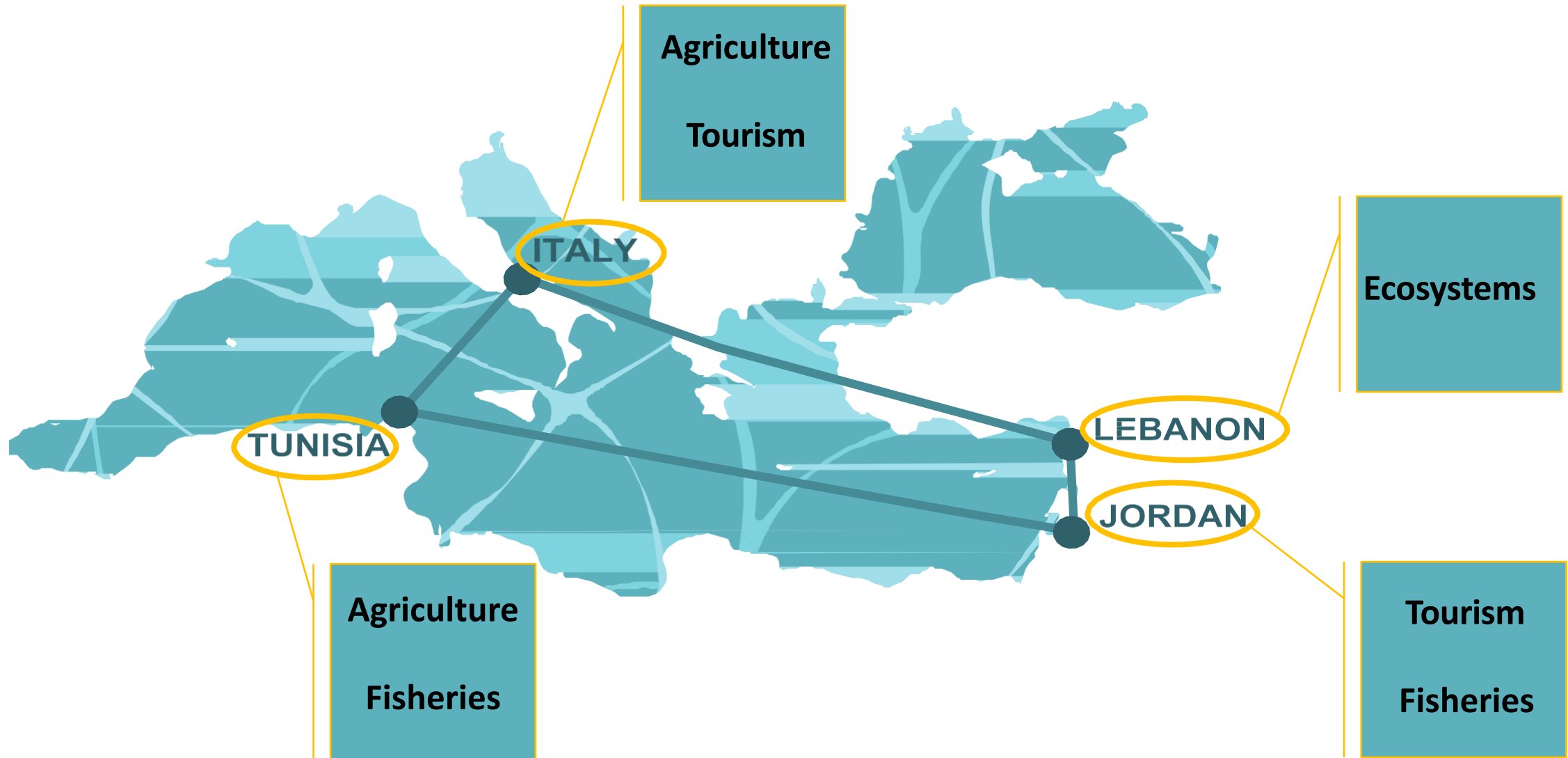


No EBM or Low EBM
(Single species or sector EBM)

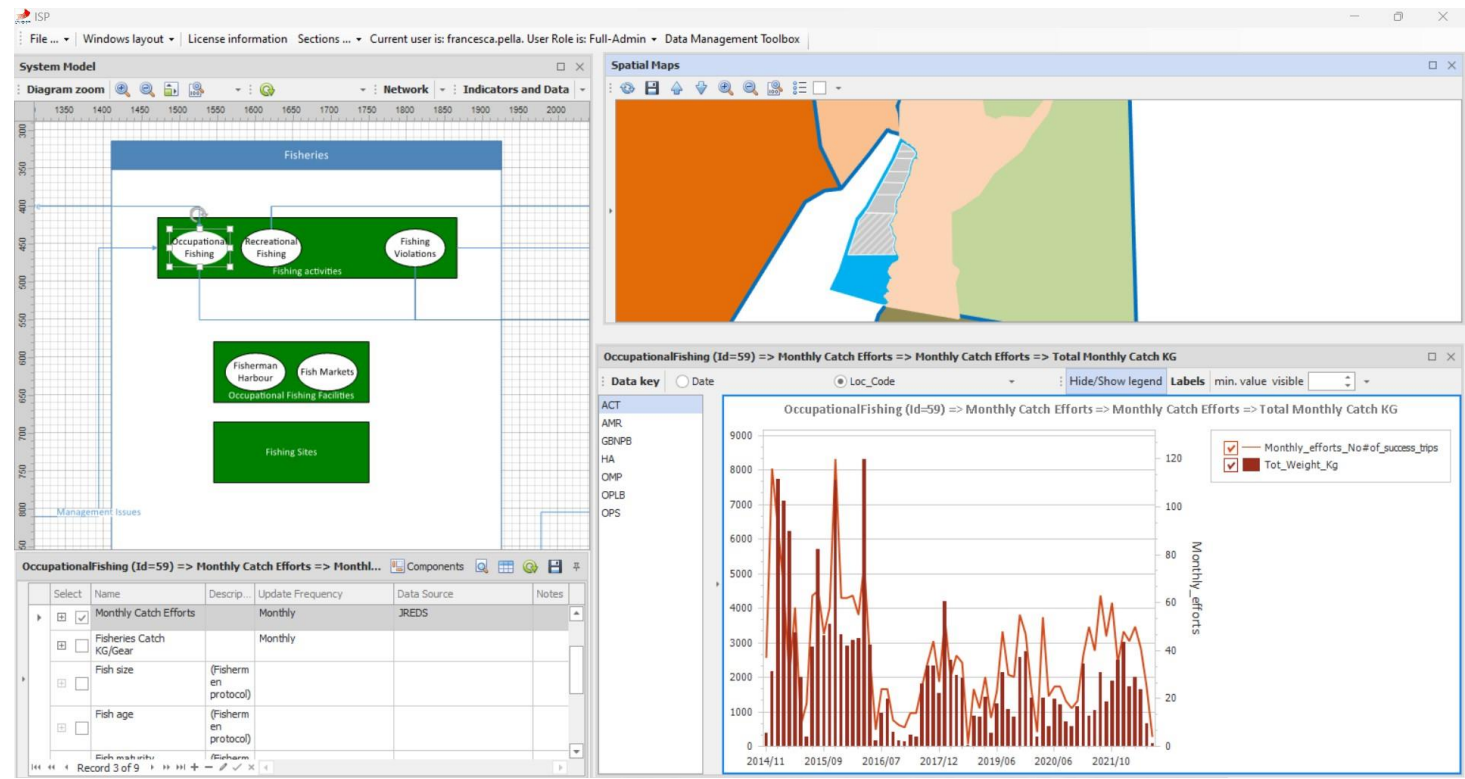
Incremental EBM
(Multiple species or sectors EBM)

Comprehensive EBM
(EBM of the entire system)

Priority Topics for the System Cause-Effect Analysis



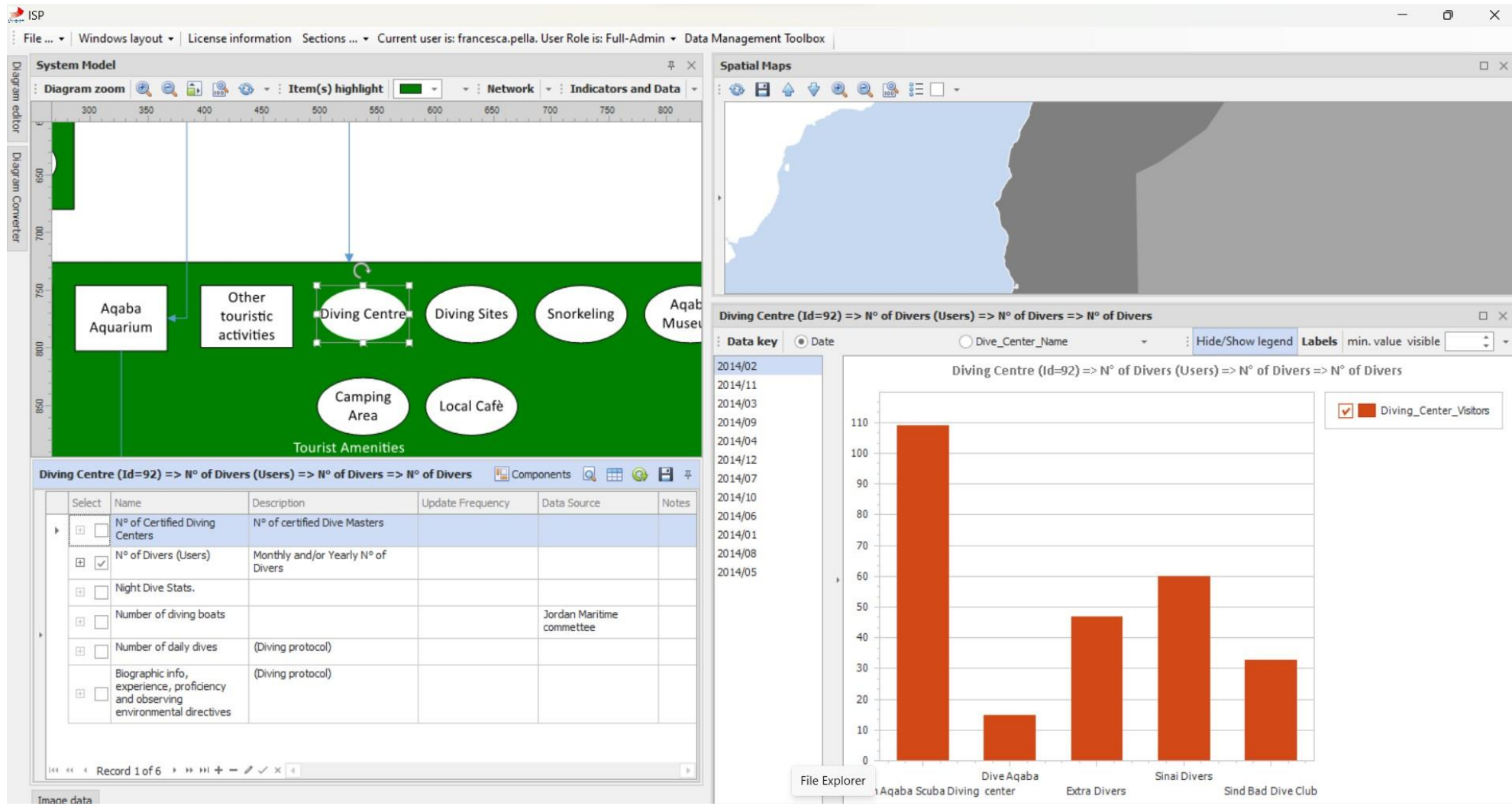
Difference between “having the information” and “having the data”



CHALLENGES

LACK OF
INFORMATION

LACK OF TIME
SERIES DATA





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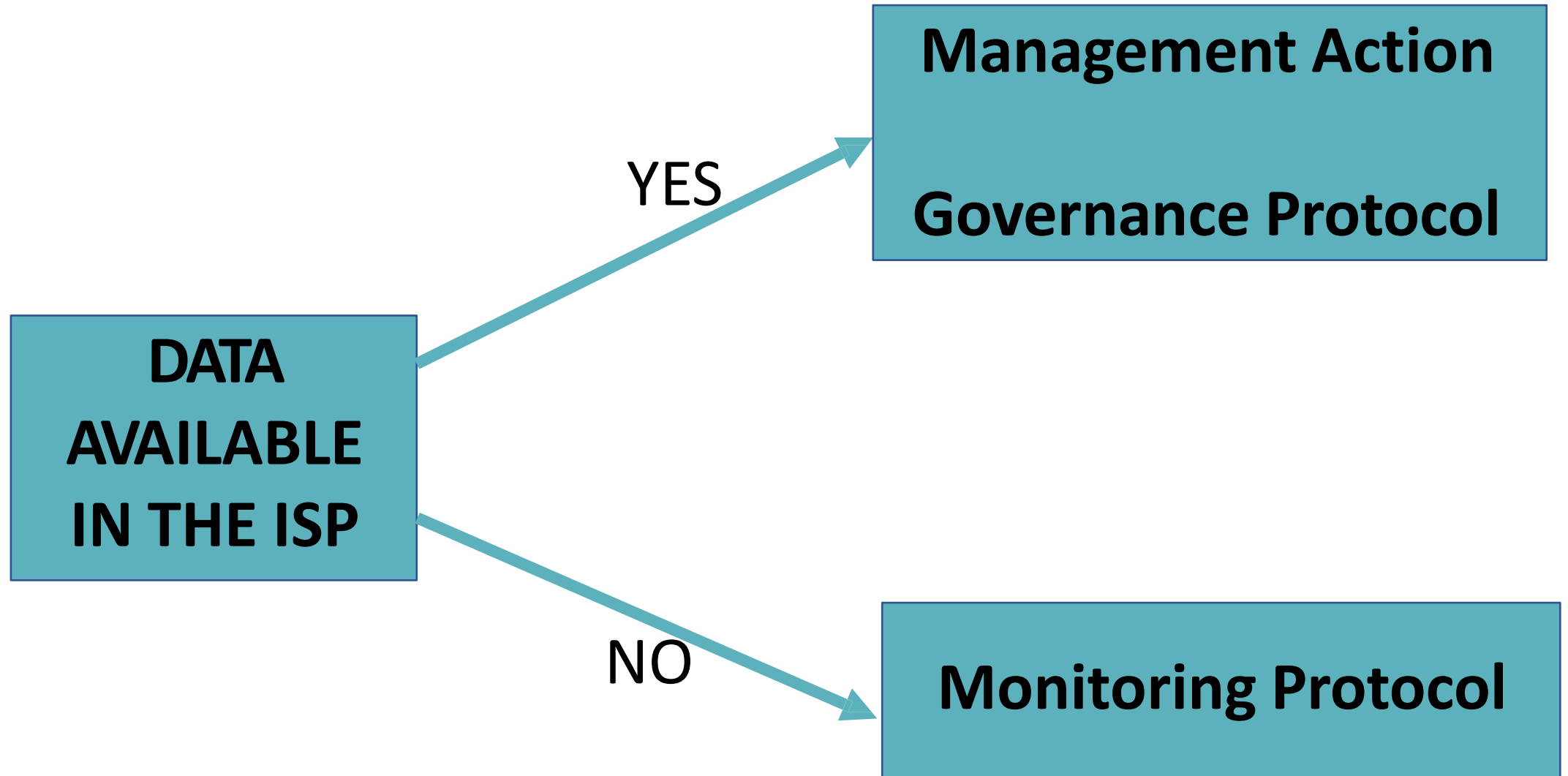
DATA

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ACTION

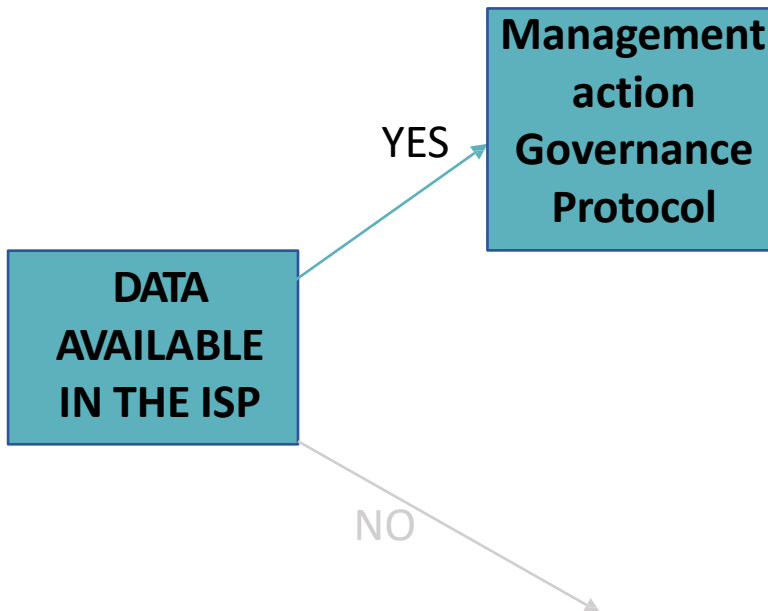
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GAP ANALYSIS



ITALY

Institutions responsible to collect data
Standard and recurring monitoring programme



BUT

Data from online repositories
Sources of information and field procedures fragmented and scattered

Networking, synergies and sustainability of the ISP aimed to support management actions.

Using the two target areas as pilot areas to then enlarge other management actions to other areas within the Gulf of Corigliano



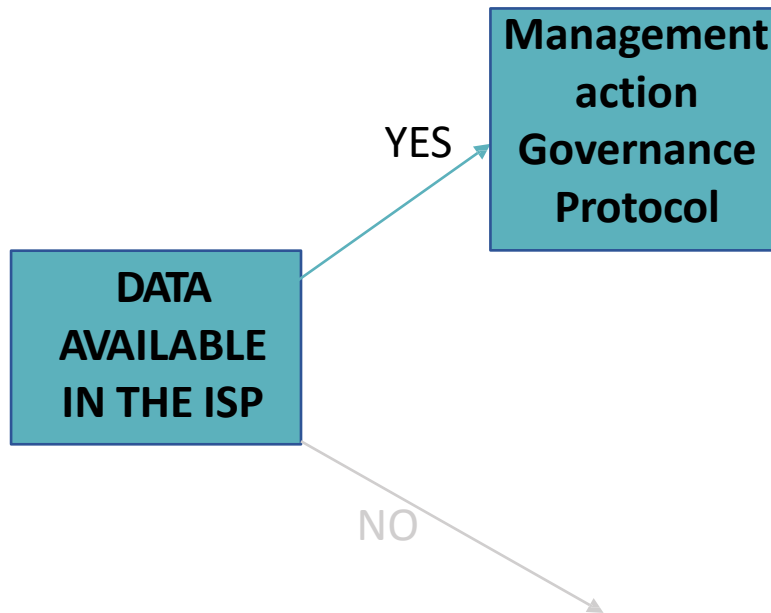
ITALY

AGRICULTURE

Monitoring scheme for the assessment of the Ecosystem Based and Integrated Coastal Zone Management in the “gulf of Corigliano” pilot area applied to agriculture driver.

TOURISM

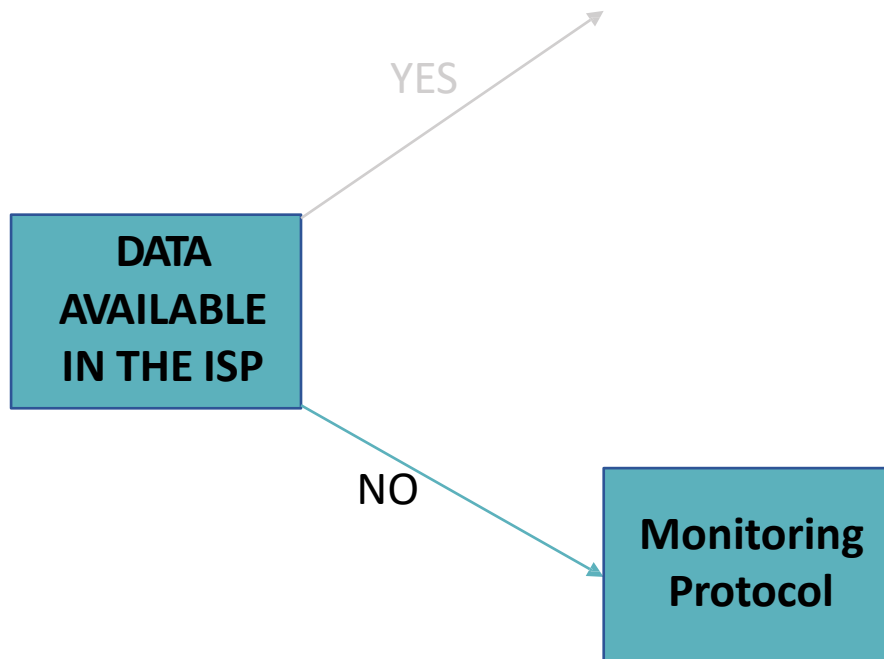
Monitoring scheme for the assessment of the Ecosystem based and Integrated Coastal Zone Management in the “gulf of Corigliano” pilot area applied to tourism driver.



JORDAN

Fishery activities

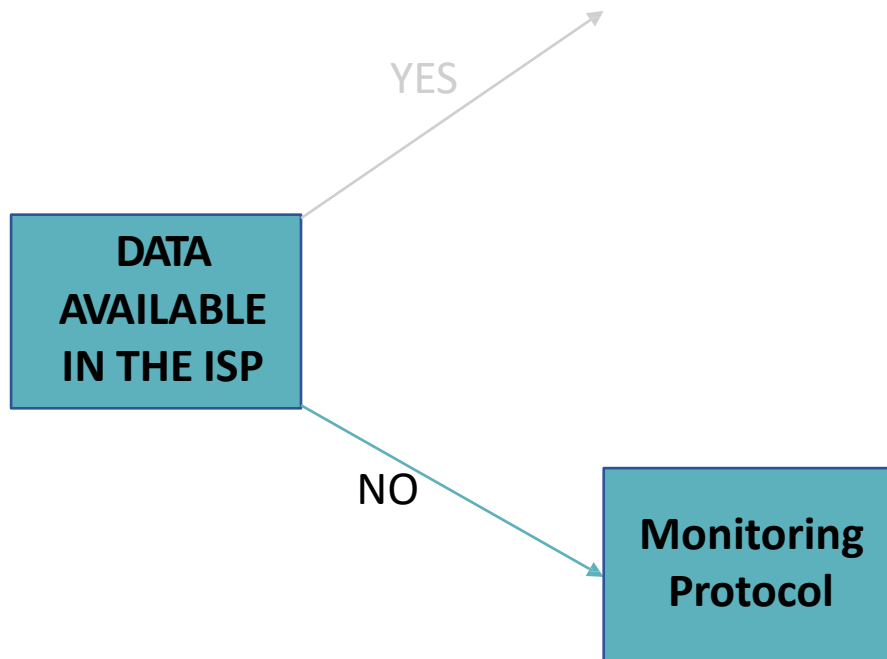
Monitoring scheme for fisheries following Ecosystem Based and Integrated Coastal Zone Management on the Jordanian coast of the Gulf of Aqaba



JORDAN

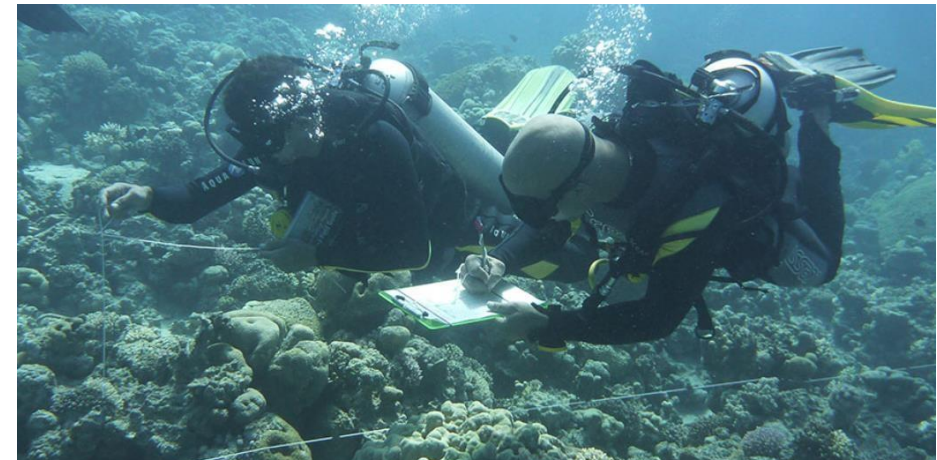
Glass bottom boats Recreational diving & ReefCheck

Monitoring scheme for touristic coastal amenities, namely Recreational Diving and Touristic Glass Bottom Boats following Ecosystem Based and Integrated Coastal Zone Management on the Jordanian coast of the Gulf of Aqaba

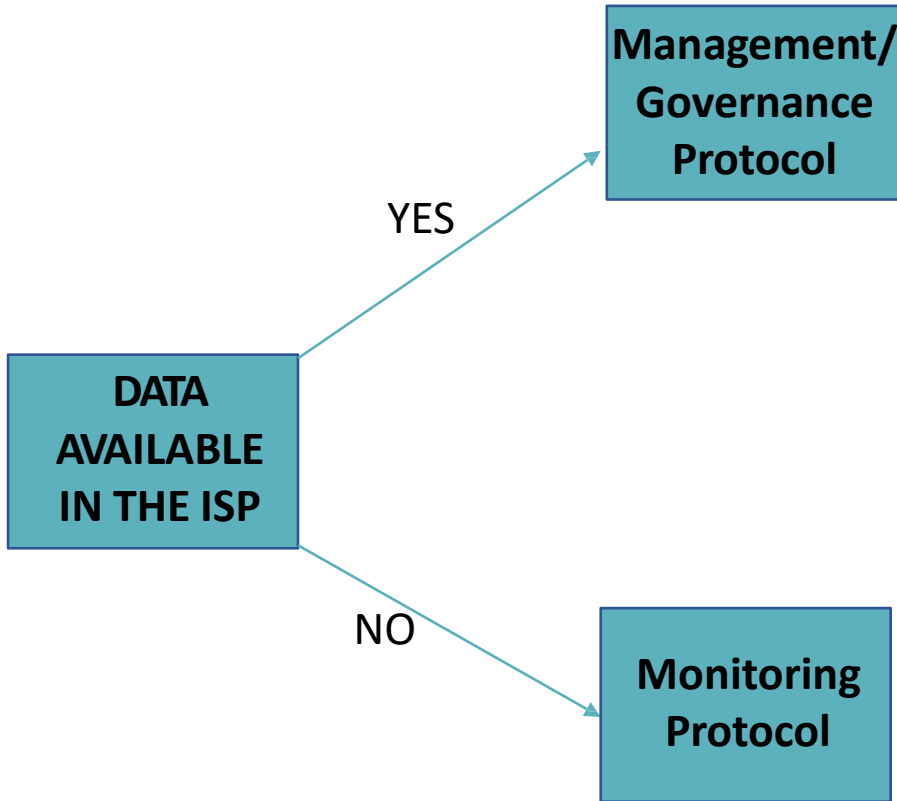


Coastal Habitats Monitoring Jordan

Reef Check



LEBANON



Terrestrial flora

INVASIVE PLANTS MANAGEMENT PLAN IN TYRE AND ABBASIEH NATURE RESERVES

Marine Fauna

STRATEGIC BLUEPRINT FOR SAFEGUARDING MARINE TURTLES IN TCNR

LEBANON

Terrestrial flora

INVASIVE PLANTS MANAGEMENT PLAN IN TYRE AND ABBASIEH NATURE RESERVES

Control/Eradication of camphorweed
(*Heterotheca subaxillaris*)
in TCNR



Map above and pictures from: **Bou Dagher Kharrat et al 2016**

Include a new area

Monitoring of other alien species

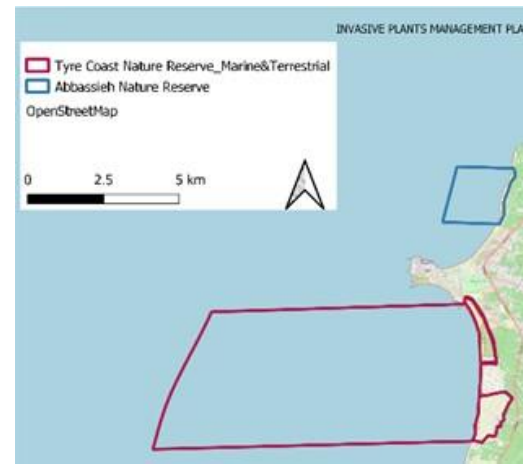
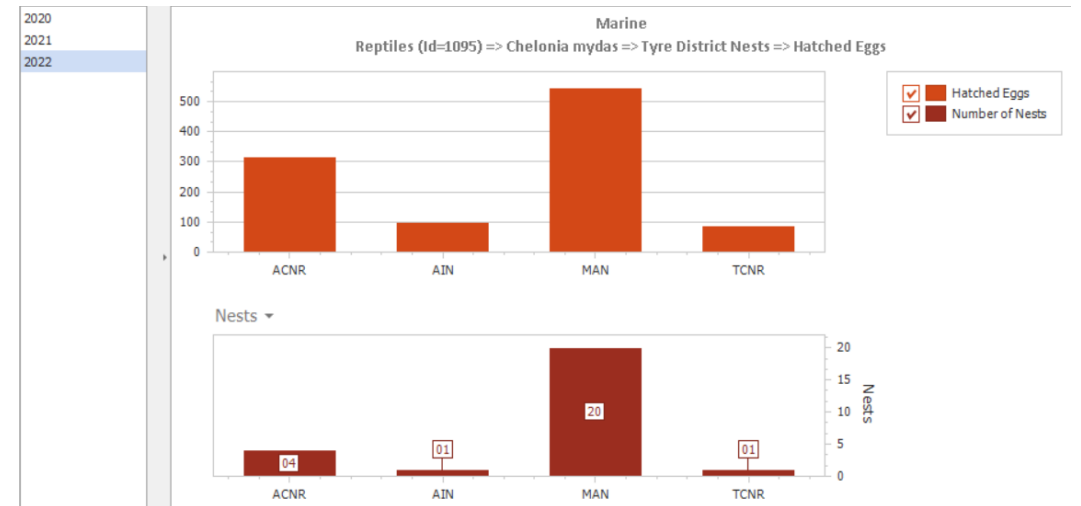
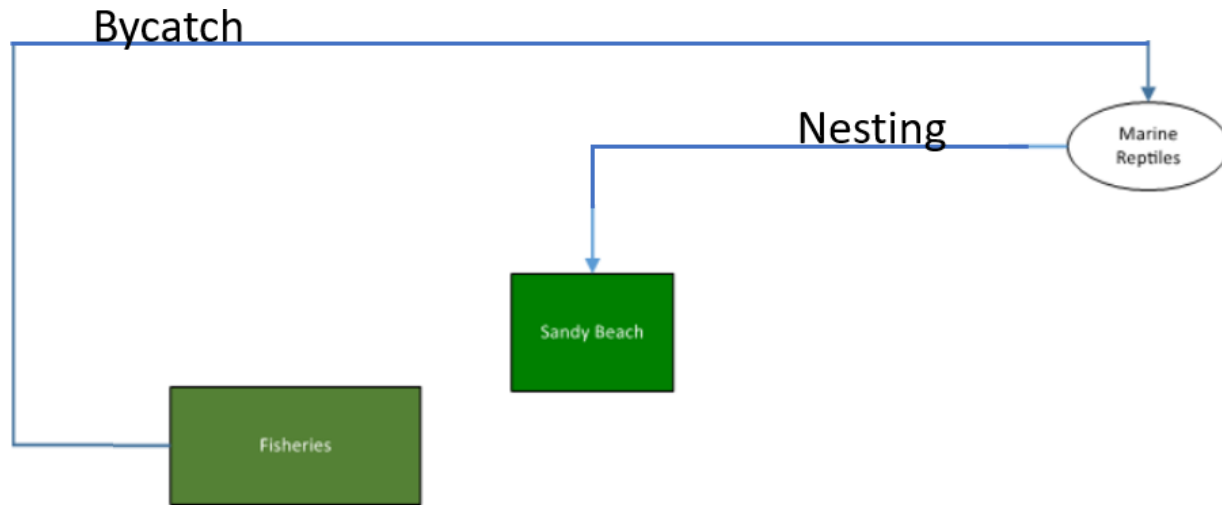


Fig. 6: *Oenothera drummondii*

LEBANON

Marine fauna

STRATEGIC BLUEPRINT FOR SAFEGUARDING MARINE TURTLES IN TCNR



But

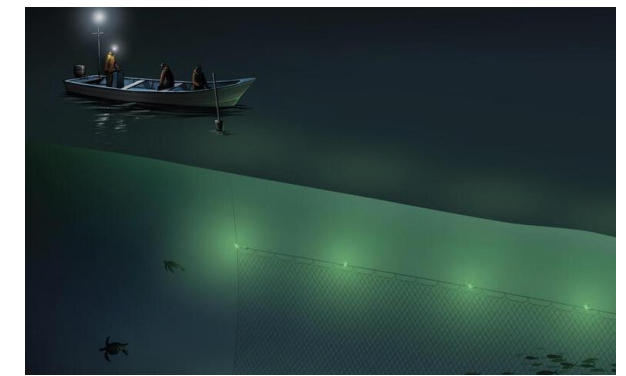
BYCATCH:

Evaluate the impact – exploratory surveys

Meetings with fishermen

Exploring possible synergies and collaborations, such as

Identifying and testing for the methods/technical solutions to mitigate incidental catches





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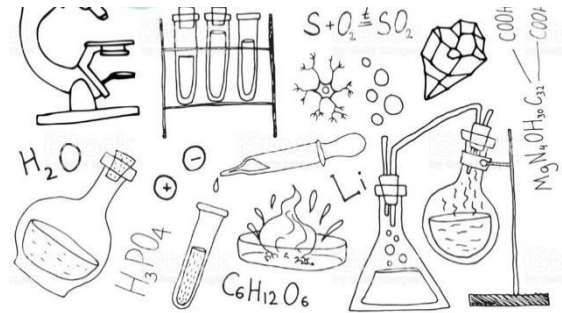
ANALYSIS

ACTION

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Development of Monitoring protocol

From theory to practice



Prepare
logistics



1. Develop Protocol

2. Field work

Collect samples according to the protocol

4. Data updating

3. Lab. Analysis

and/or

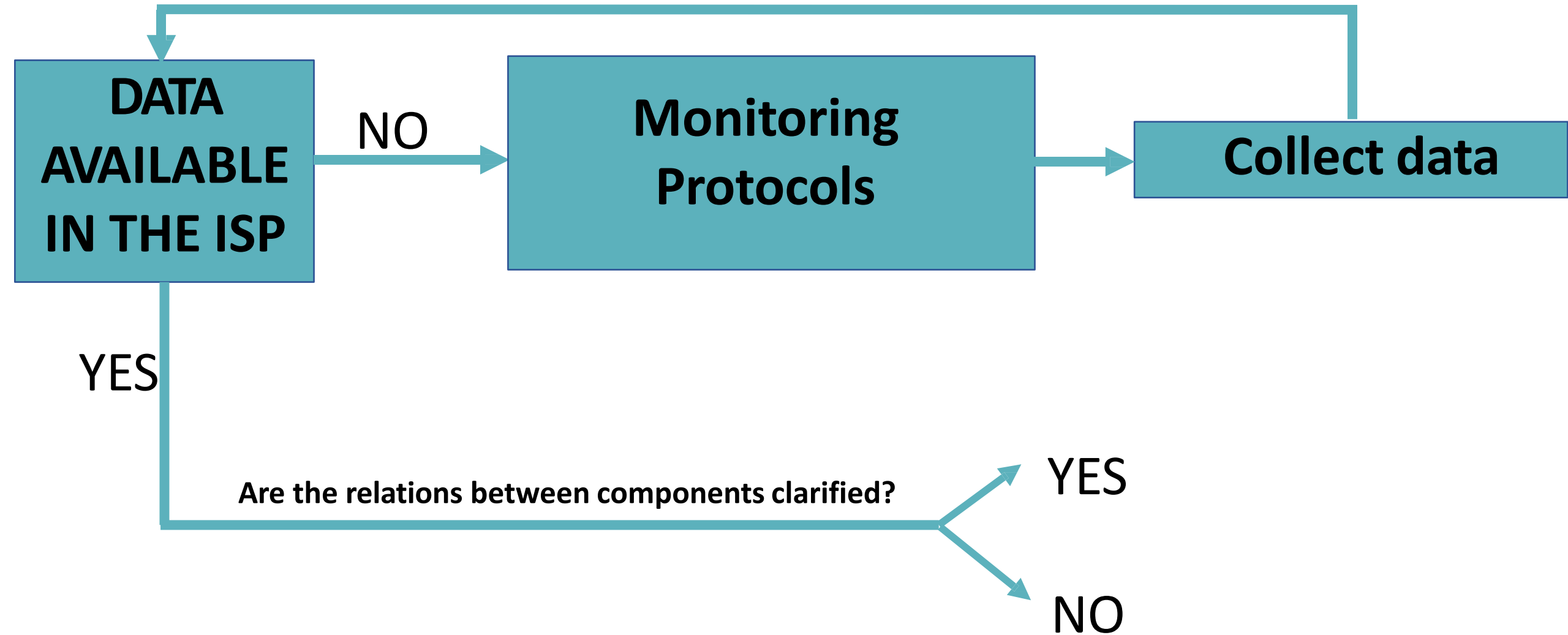
data analysis

**Integrated
Spatial
Planning**

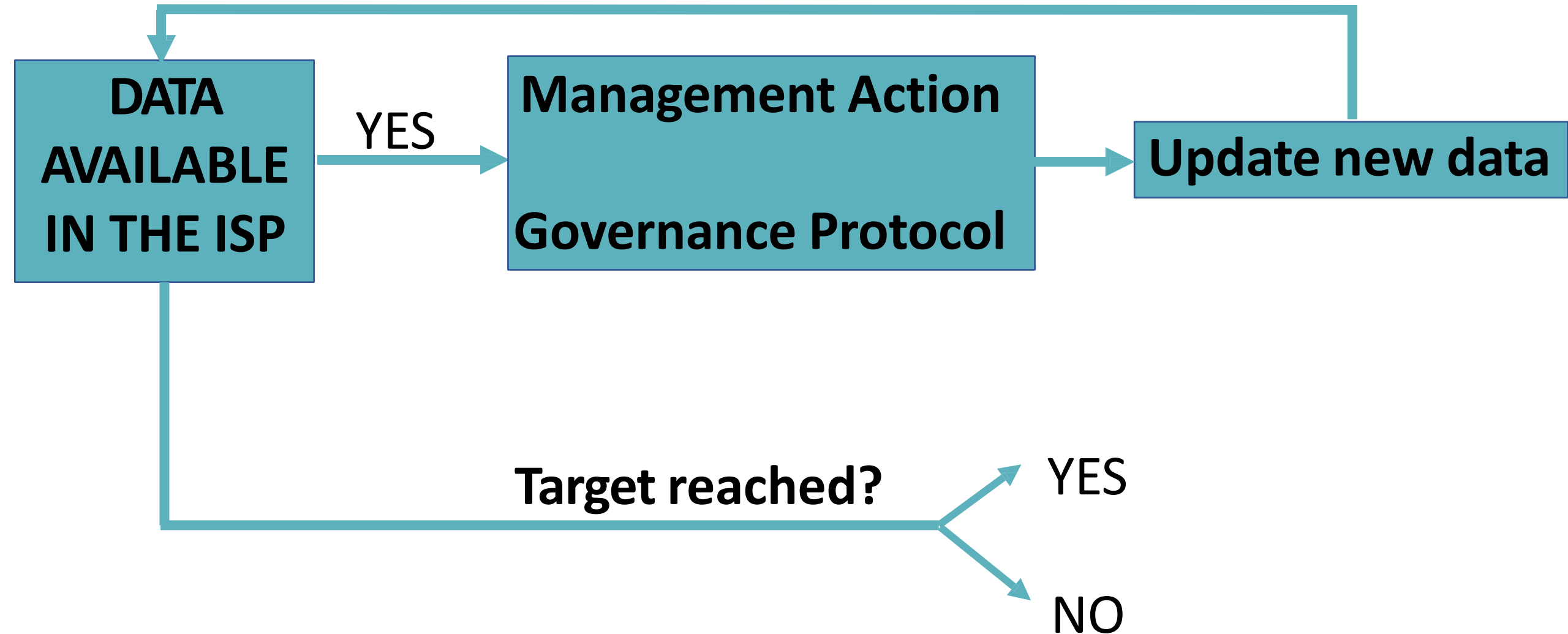
Results



Development of Management action

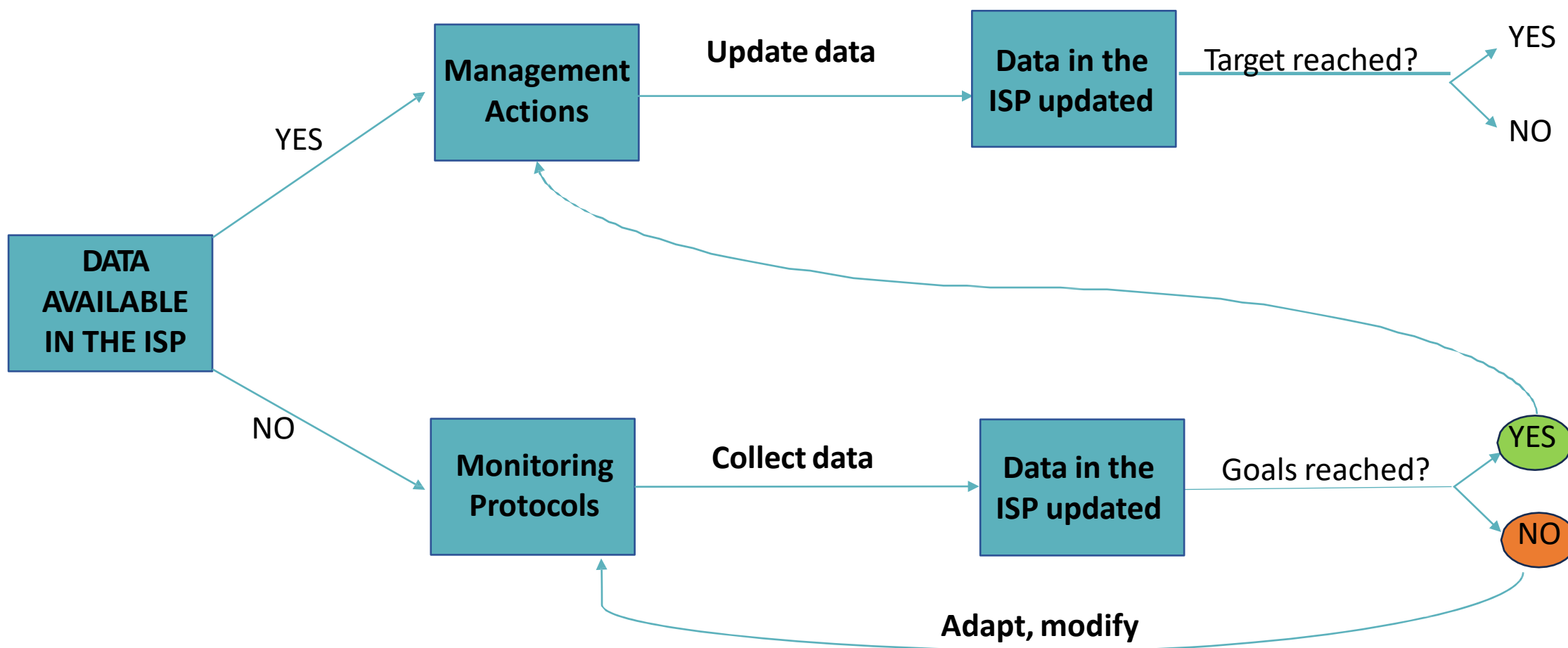


Development of Management action





MED4EBM





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