Sustained Ocean Observing

An ocean of imperatives and challenges

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CONSORTIUM FOR
Ocean Leadership

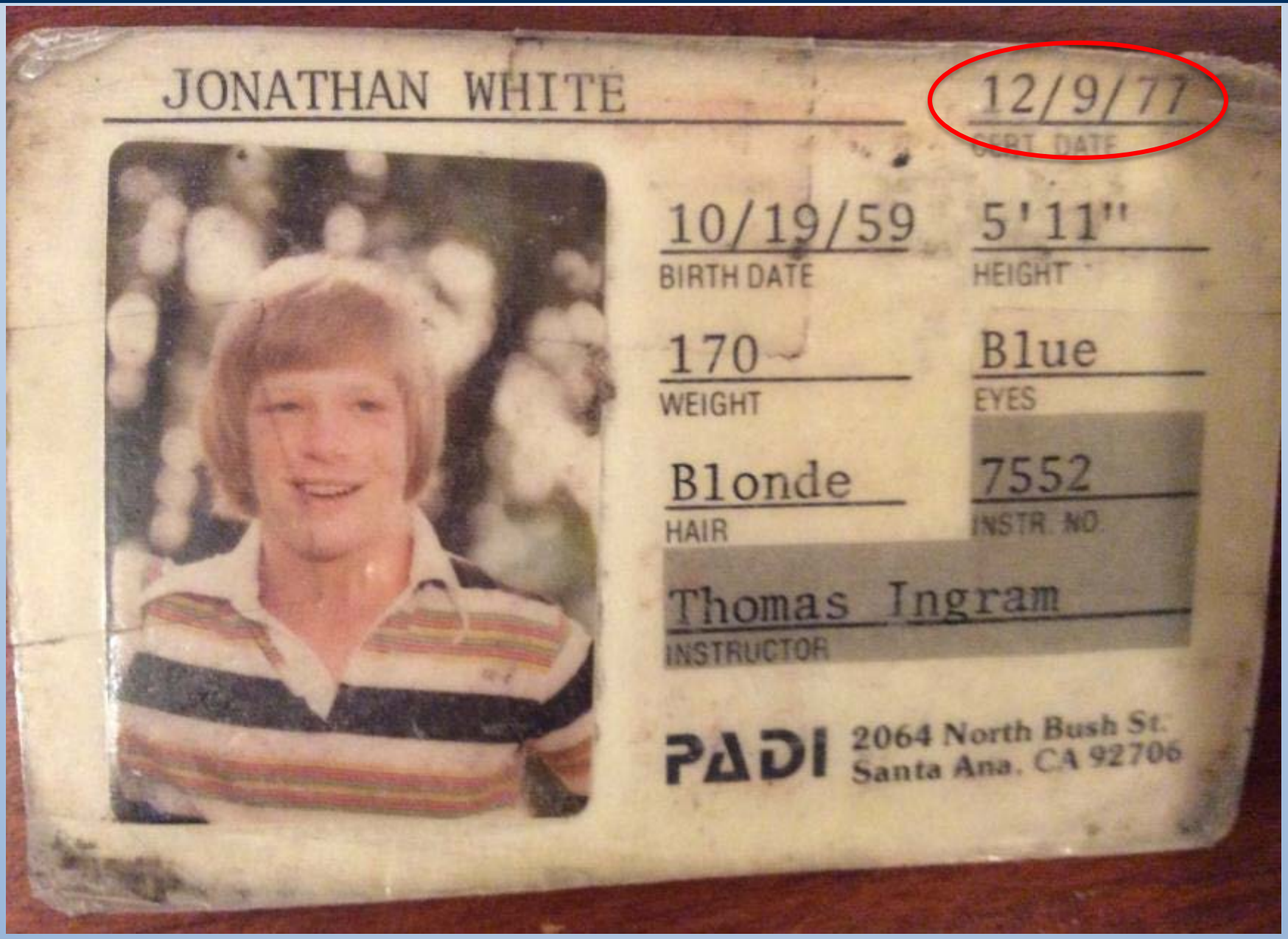
A Washington, DC-based nonprofit organization that represents more than 90 of the leading public and private ocean research and education institutions, aquaria and industry with the mission to advance research, education and sound ocean policy.

Discovery, Understanding, Action

Collaboration begins with COL

Ocean Observing – What has changed?

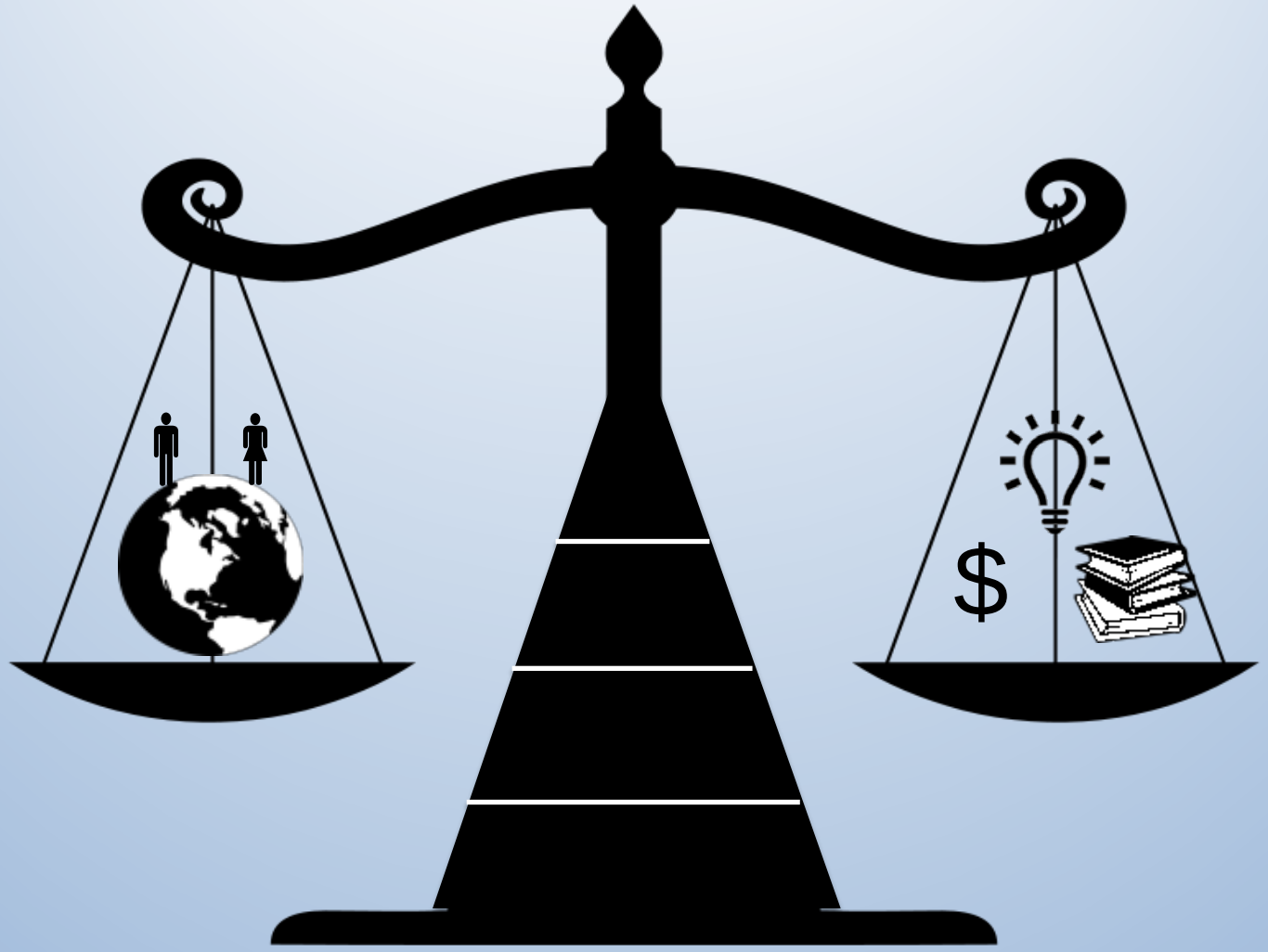
Ocean Observing – What has changed?



In The Balance:

Security & Prosperity

Sustainability



Risk

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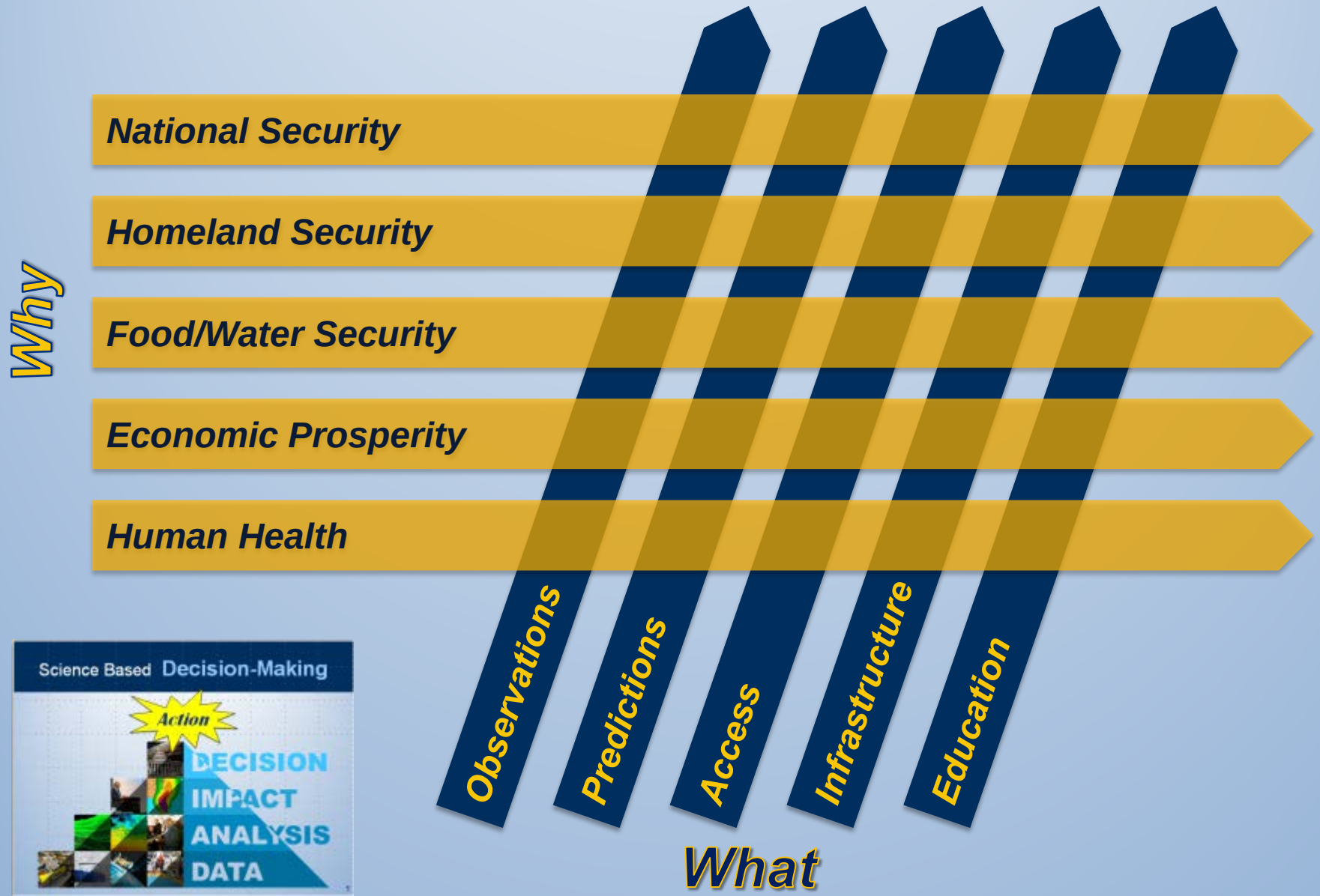
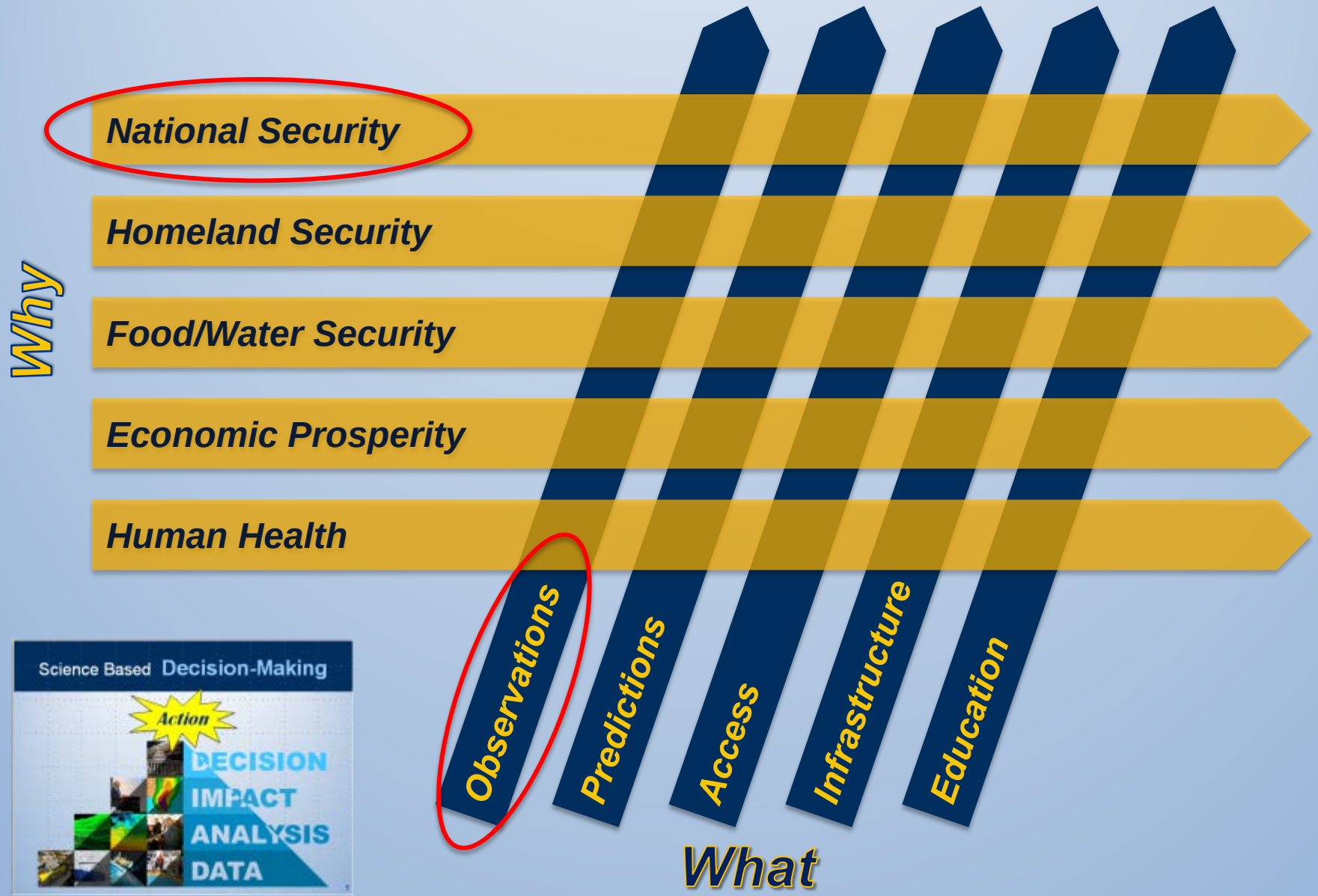
Science Based Decision-Making

Ocean Priorities → National Priorities?

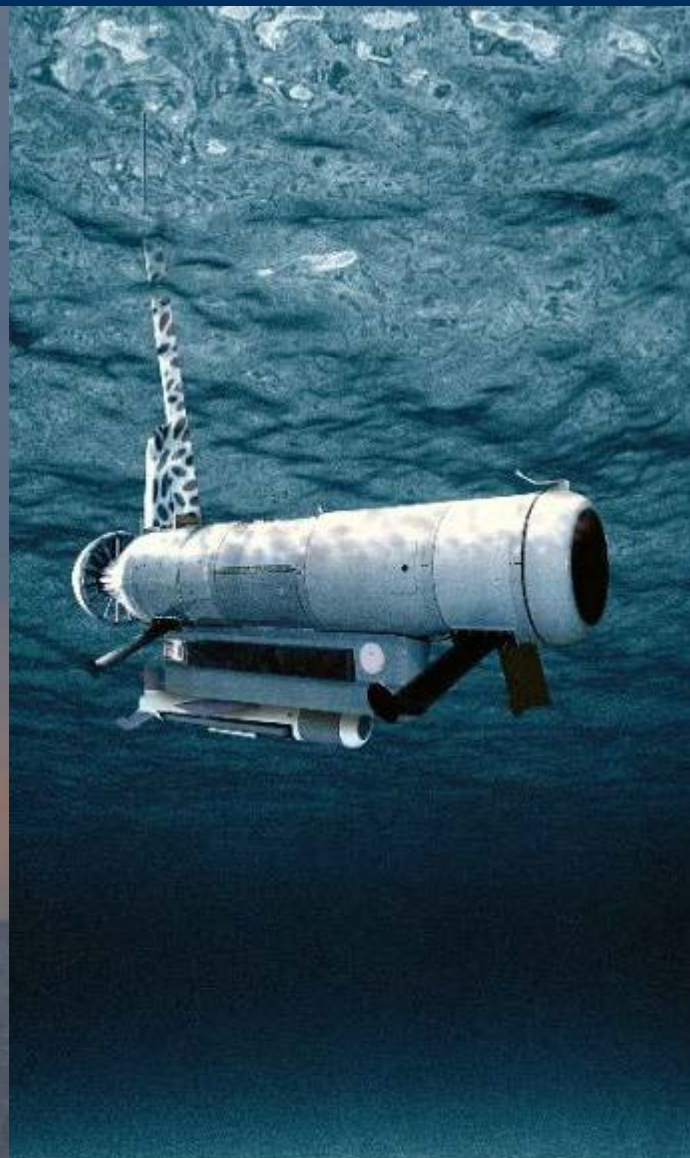


Ocean Priorities → National Priorities?



National Security

National Security



Ocean Priorities → National Priorities?

Homeland Security

Ocean Priorities → National Priorities?

Food & Water Security

Ocean Priorities → National Priorities?

Economic Prosperity

Ocean Priorities → National Priorities?

Human Health

Ocean Priorities → National Priorities?

Why

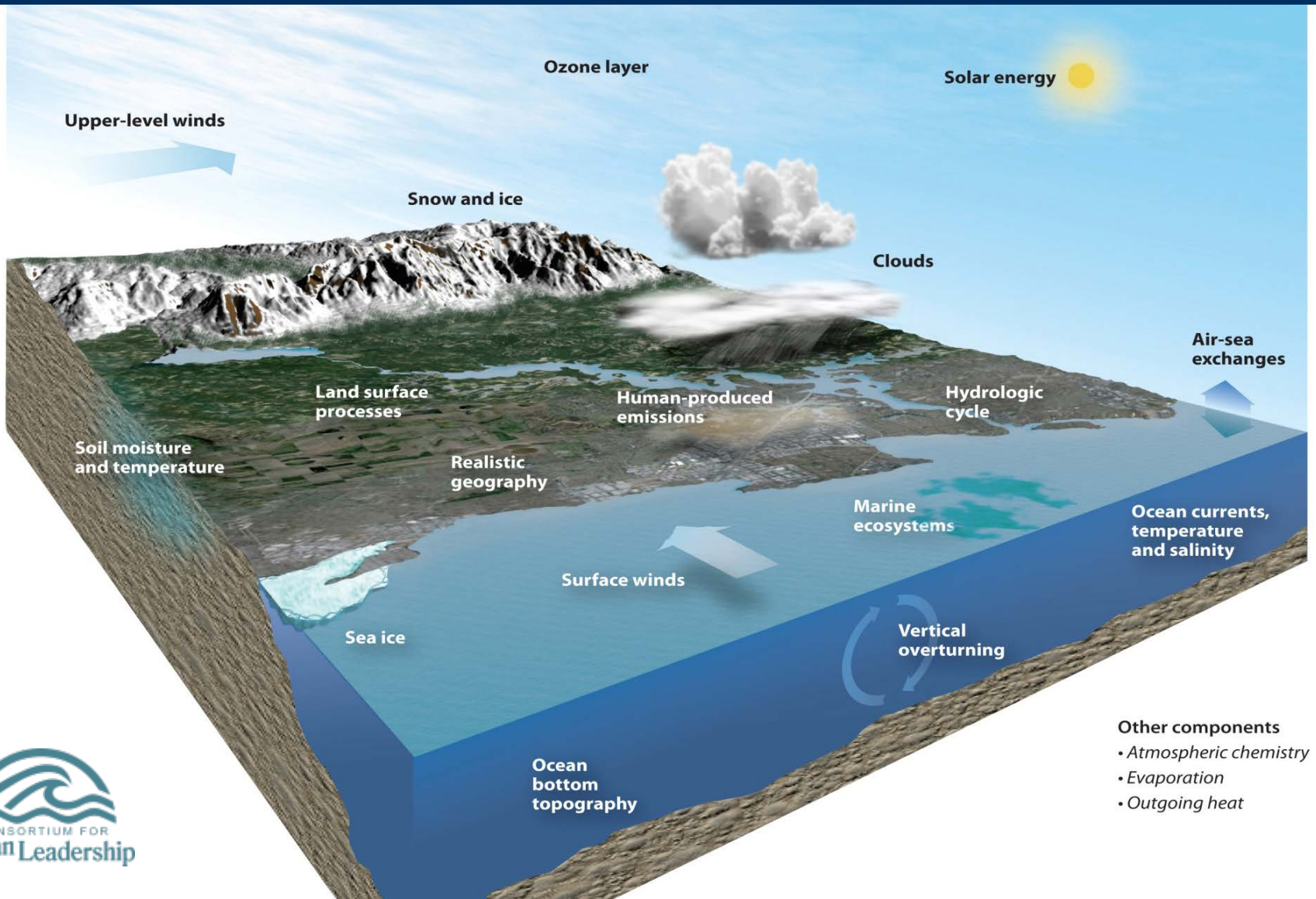
- National Security
- Homeland Security
- Food/Water Security
- Economic Prosperity
- Human Health

Observations | Predictions | Access | Infrastructure | Education

What

Earth System Knowledge

Weather, Ocean, Climate, Ice, Land, …



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Earth System Knowledge Today

Climate, Weather, Ocean, Ice, …

Earth System Knowledge

Climate, Weather, Ocean, Ice, …

Tomorrow?

Looking Ahead: Ocean Obs Tomorrow

Technology

Miniaturization

Artificial intelligence

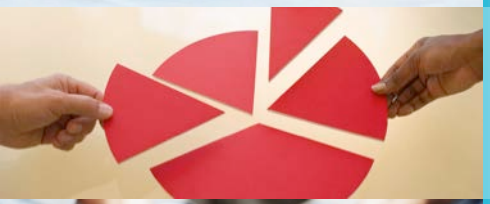
Science

eDNA, Sound

Do we need ships?

We must build SHIPs!

LeaderSHIP



OwnerSHIP

PartnerSHIP

StewardSHIP

ScholarSHIP

$ponsorSHIP, EnterpreneurSHIP, …

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