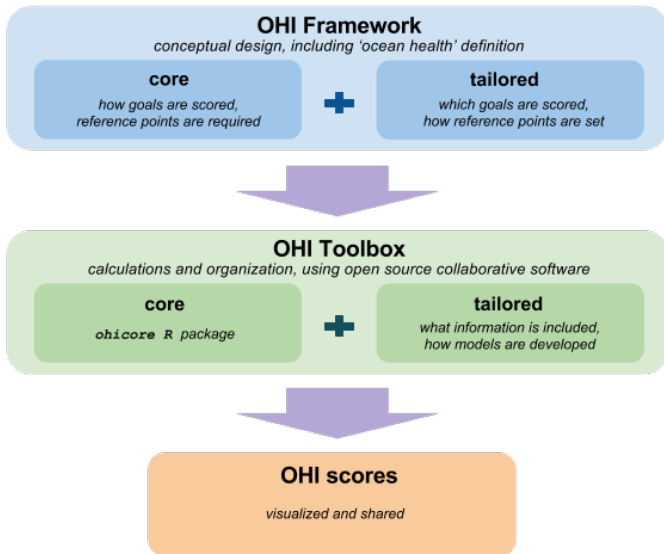# Introduction to Conduct Phase

Ocean Health Index
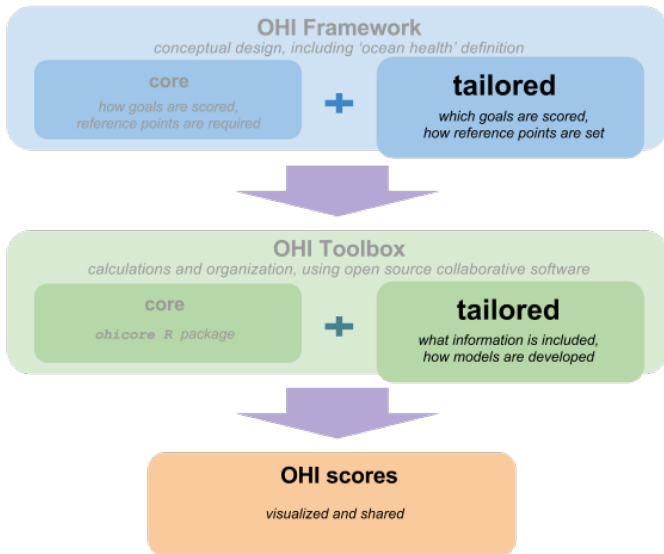
OHI-Science Team

January, 2016

OHI Framework

OHI Framework - Tailored

Technical Team Structure
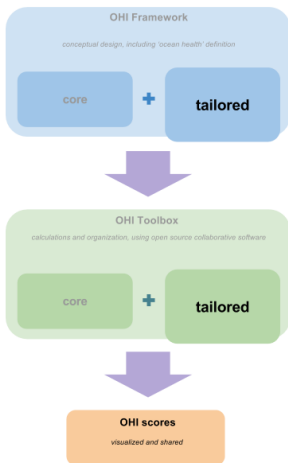
Workflow

Workflow

Define Boundaries

Select and develop goal models

Gather data, pressures & resilience

Set reference points

Request an OHI+ repository

Format, store, and register data

Modify goal models

Calculate scores

Make flower plots
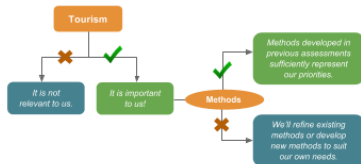
Report results

Tailored Framework: Best Practices

You are responsible for Local conceptual planning, model building, and data gathering To keep in mind at all times

(maybe worth going through each one separately. . .?)

Step 1: Define Spatial Boundaries

Within which all assessments occur. Judicial boundaries preferred.
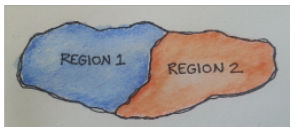
1. Start with land-based boundaries
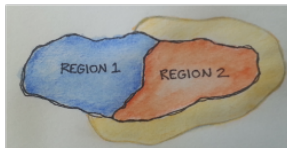
2. Draw offshore buffers for each region

3. Offshore buffers overlap

4. With the Thiessen Polygon approach, the overlap is divided...
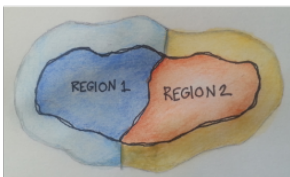
5. ...to produce the final borders between the regions

Step 2: Select Goals and Develop Goal Models

Ten commonly assessed goals

philosophy and practical guidance for each goal (manual App 1)

- ▶ understand what each goal measures, stick to the definition but think creatively how to represent each goal (Best Practice #1 and #3)
- ▶ how to work different goals together
- ▶ **reference point, pressures, resilience** while collecting data
- ▶ send data and develop models using templates (App 2 &3?)

Step 3: Gather Data, Pressure, and Resilience

- If can't find ideal data, use **proxy data** and **gapfill** techniques
- Stay true to goal definitions

Tailored Toolbox: Request a Github Repository

Now you have

- defined spatial boundaries
- developed goal models
- collected data

You can request an **Assessment Repository** and start using the **Toolbox**

- Repository is where all the data are stored, managed, and calculations occur
- Github-based
- Toolbox

Github and R

Step 4: Format, Store, and Register data

Required specific formats Registered to be called upon during calculation

Step 5: Modify Goal Models and Calculate Scores

Calculate: Status, Trend, Pressure, and Resilience Report results using template

Main Resources

- **ohi-science.org**: main site for all OHI+ related topics
- **Manual**: conceptual and technical guidance for each step
- **Forum**: on-line community for OHI+ practitioners to connect and learn from each other
- Contact our team: `info@ohi-science.org`