

ECR development

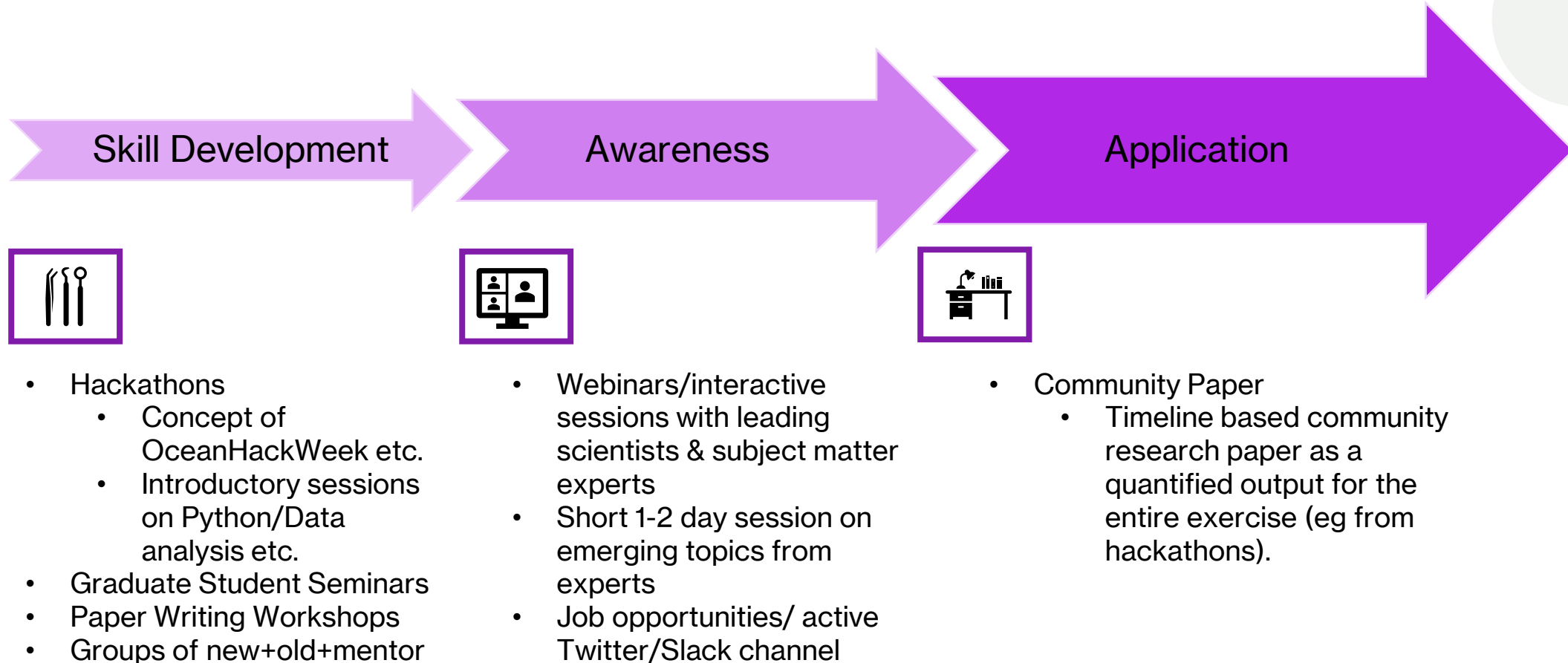
Dr. Shikha Singh, IORP



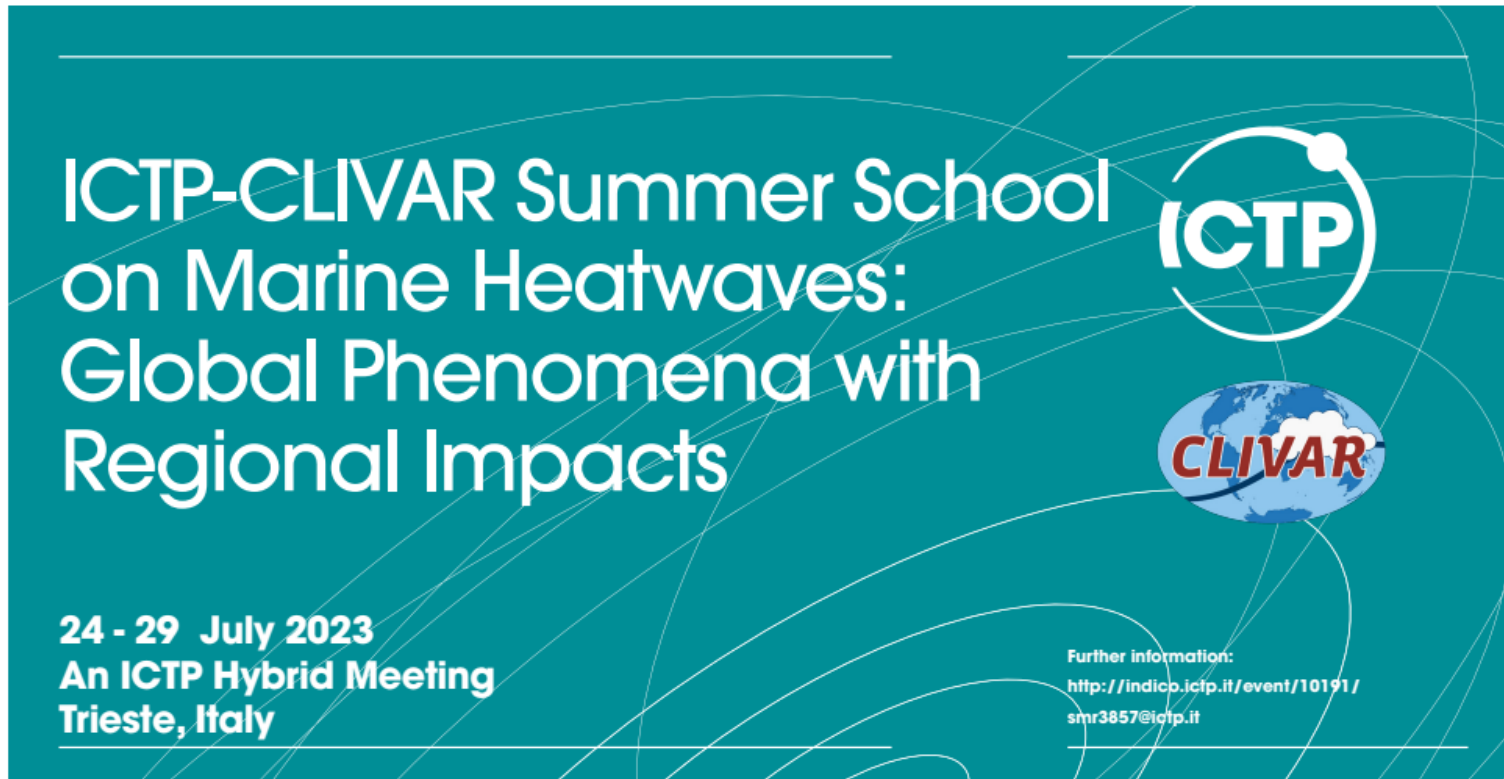
SDA² Framework

Methodological Roadmap for farming ECRs

Concept taken from Sanskrit shloka “**Vidya Viniyoga vikasa**”.
It means development through the application of knowledge



Summer School & Research Foci



ICTP-CLIVAR Summer School
on Marine Heatwaves:
Global Phenomena with
Regional Impacts

24 - 29 July 2023
An ICTP Hybrid Meeting
Trieste, Italy

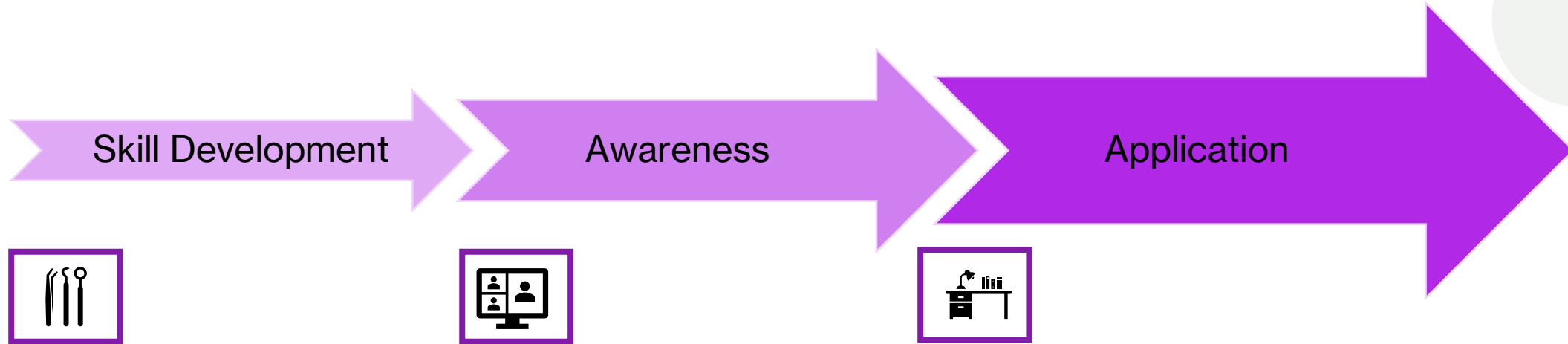
Further information:
[http://indico.ictp.it/event/10191/
smr3857@ictp.it](http://indico.ictp.it/event/10191/smr3857@ictp.it)

- **Technical aspects:**
Methodologies used to estimate extremes.
- **Drivers** of marine heatwaves:
Atmospheric and Oceanic mechanisms
- **Impacts** of marine heatwaves: Cyclones, ecosystems, societal costs
- **Future projections,**
attribution and forecast and forecast: trends vs internal dynamics

Registration will open soon!

Implementation of SDA² Framework

First implementation in Summer School on Marine Heatwaves in July 2023



- **Hackathons – Pre-school exercise** (eg : to develop a code)
- **Graduate Student Seminars** - Lightning session/online+in-person Poster session/creative sessions
- **Hands-on training**
- **Working groups** (ECRs + mentor)

- **Working Groups discussion.**
- **Webinars/interactive sessions** (with leading scientists & subject matter experts w.r.t. to the WGs)

- **Community Paper**
 - Timeline based community research paper as a quantified output for the Summer school.
 - Clivar Exchanges/Journal Article
- **Product Development**

