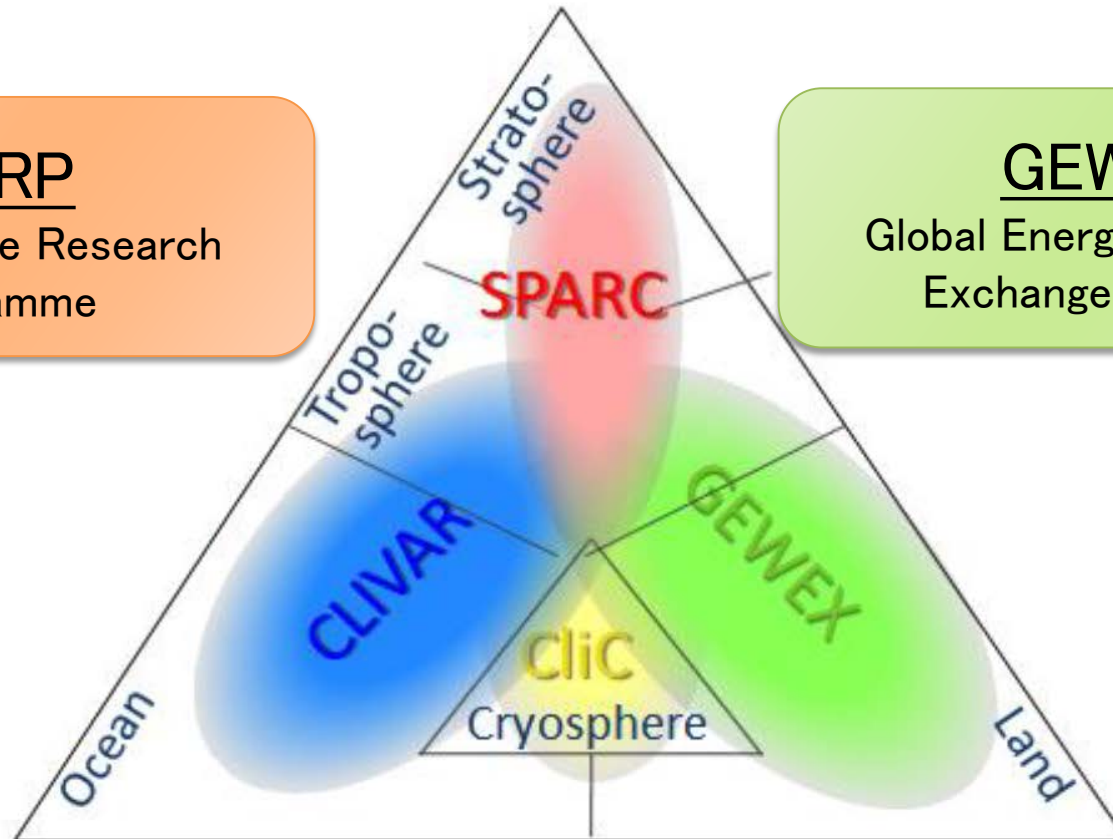


WCRP / GEWEX

GEWEX within WCRP

WCRP
World Climate Research
Programme

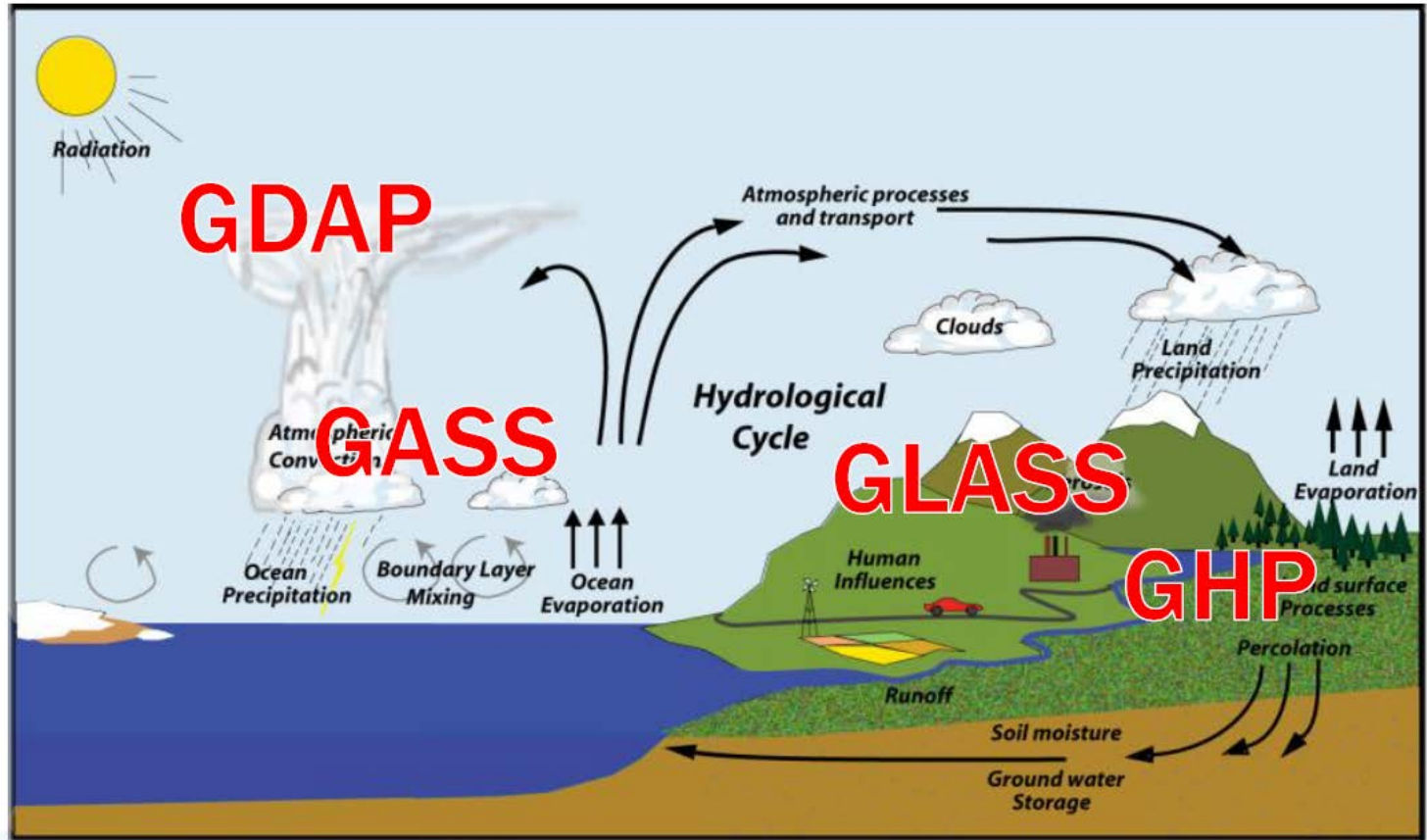
GEWEX
Global Energy and Water
Exchanges Project



From slides of Prof.
Matsumoto



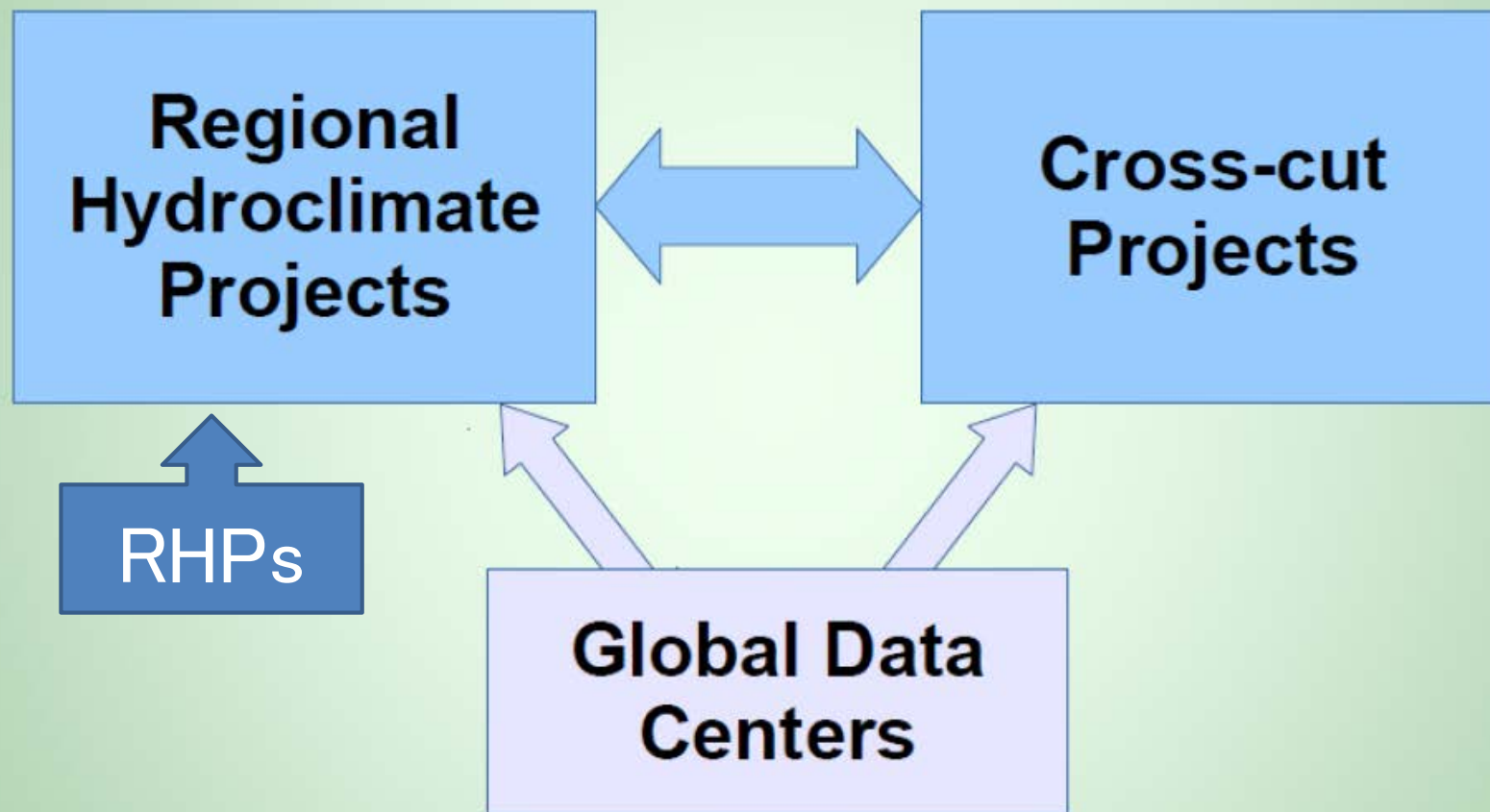
Sub-components of GEWEX



From slides of Prof.
Matsumoto

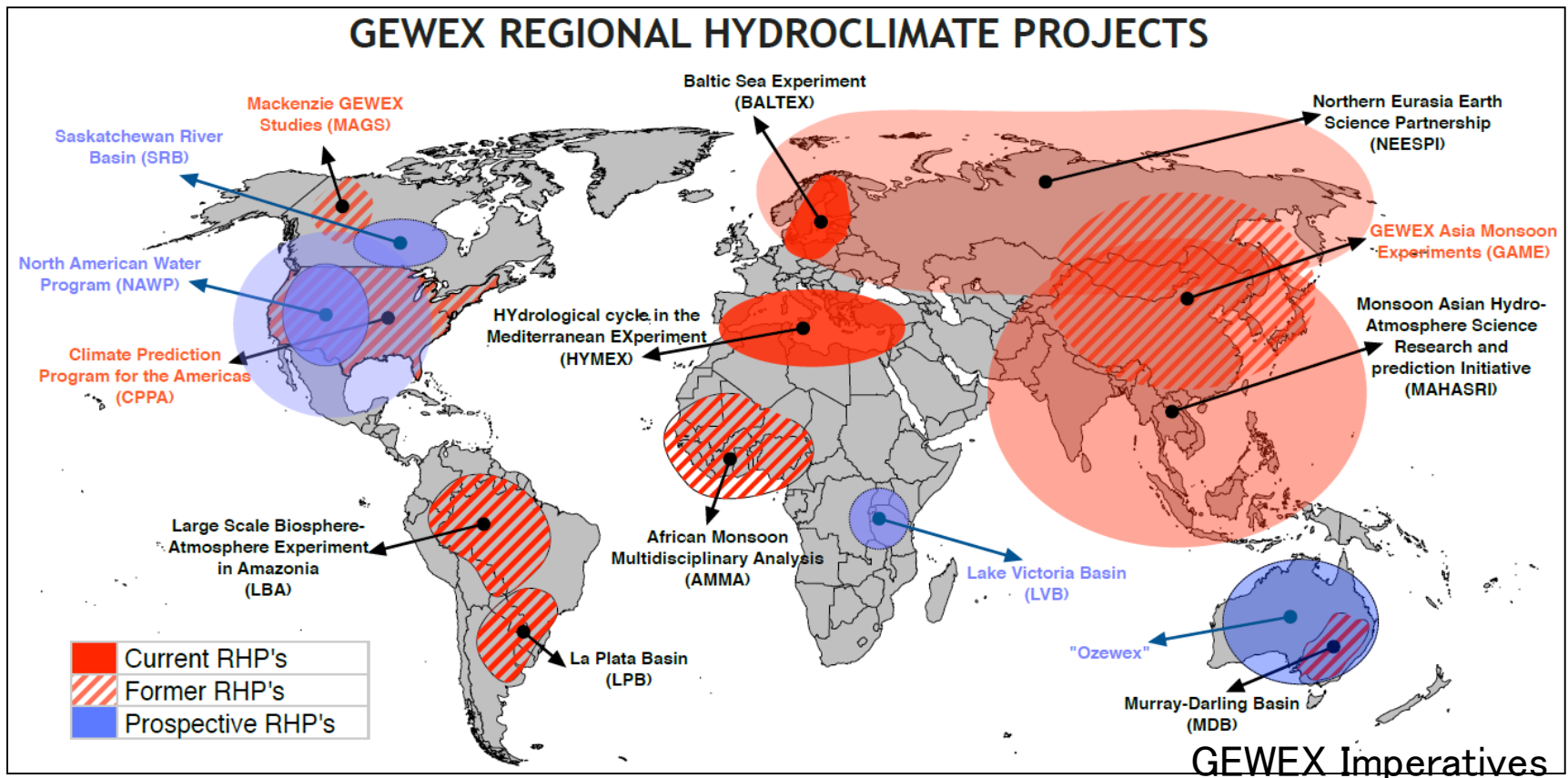
GHP Structure

GHP: GEWEX Hydroclimatology Panel



RHP's in Monsoon Asia

- ▶ Monsoon Asia Hydroclimatological Research have continued since 1995 under GAME and MAHASRI



GAME/MAHASRI

- ▶ RHP of Asian Monsoon hydroclimate research
 - ▶ GAME (1996–2005): GEWEX Asia Monsoon Experiments

- ▶ Atmosphere–land surface interactions
- ▶ Four regional components => Cross cutting (2002–2004)
 - GAME–Siberia, GAME/HUBEX, GAME–Tibet, GAME–Tropics



- ▶ MAHASRI (2006–2016): Monsoon Asian Hydro–Atmosphere Scientific Research and Prediction Initiative

- ▶ Hydro–meteorological prediction system, up to a season
- ▶ Based on collaboration of several regional projects
 - Maritime Continent, Thailand, Mongolia, Vietnam, South Asia ...
- ▶ Major Funding Source: JEPP -> SATREPS



Key 5 Questions

Coordinated Observation

Climate Model

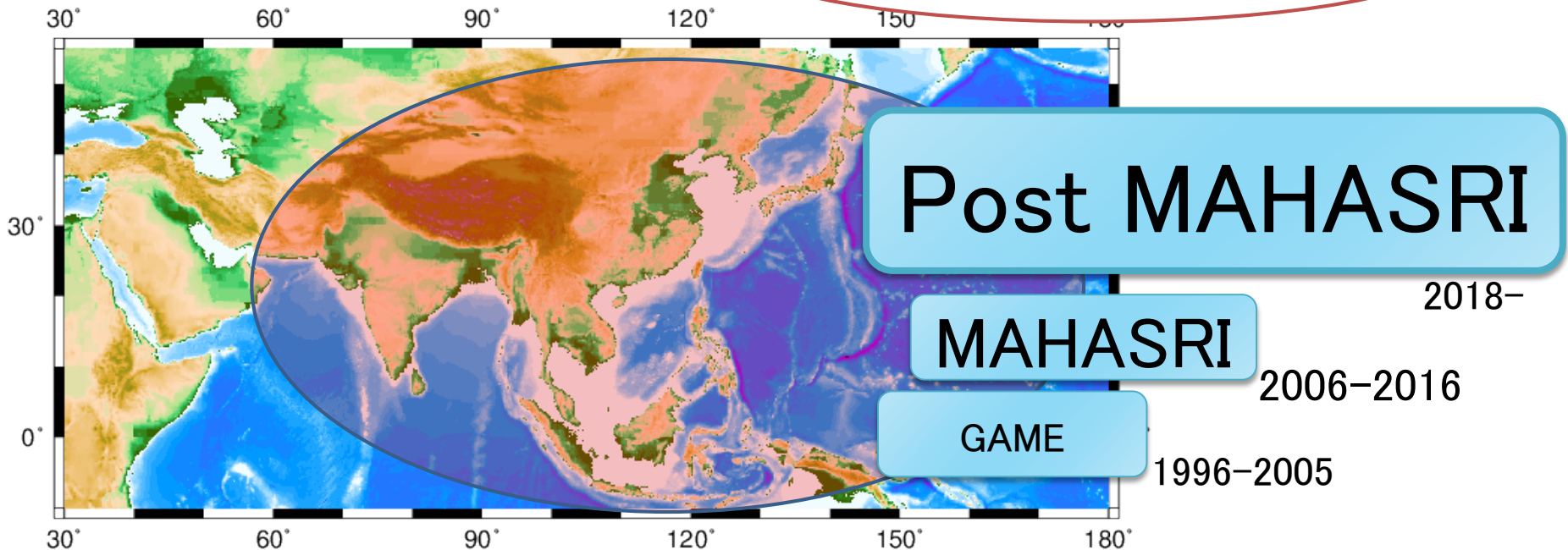
General Objective

Asian Land Precipitation

Data Rescue

Extremes

Mountain Precipitation



Post MAHASRI

2018-

MAHASRI

2006-2016

GAME

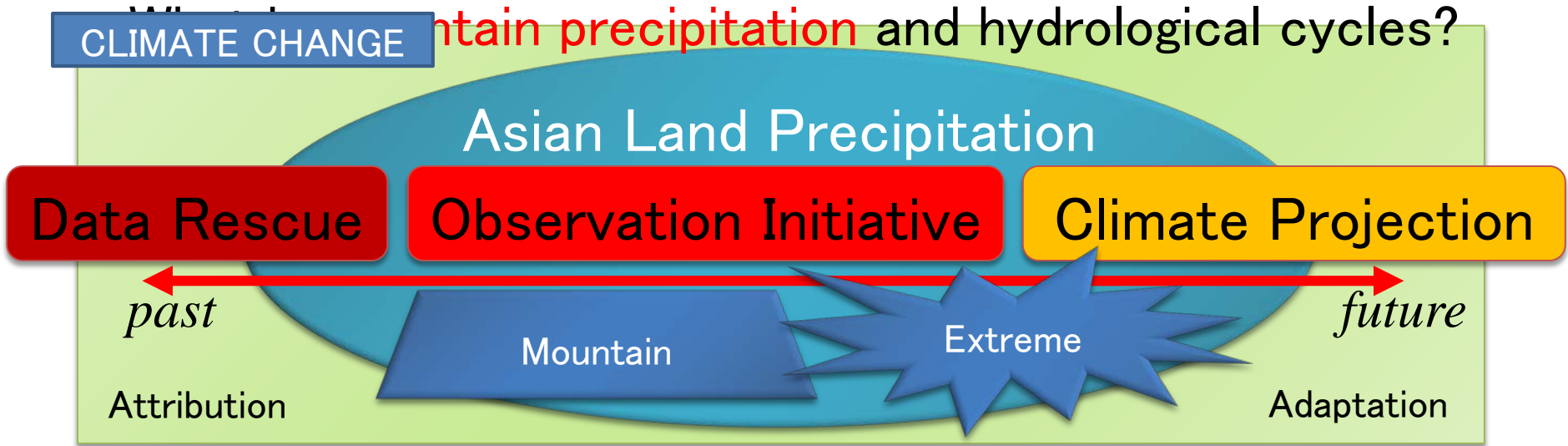
1996-2005

Overarching Key Questions

To be solved in 10 yrs

- ▶ What is convincing & useful **Climate Projection/Prediction**?
- ▶ What coordinated **observation initiative** is needed?
- ▶ To what extent can we use up 200yr **rescued data**?
- ▶ How can we describe **extreme weather**?

CLIMATE CHANGE **maintain precipitation** and hydrological cycles?



今後の日程

- ▶ 2019年10月 GHP Panel Meeting:

- ▶ “proposed RHP”に認定

- ▶ ウェブページ開設 →



<http://iceds/cc.kagawa-u.ac.jp/rhp/>

- ▶ 年内～2018年度中:

- ▶ プロジェクト名称の議論と決定

- ▶ 新プロジェクト名でプロジェクト発足

- ▶ サイエンスプランVer. 1策定

- ▶ 2019年度:

- ▶ 春の気象学会「専門分科会」(予定)

- ▶ 2019年8月下旬 Kickoff Conference (in Sapporo)

- ▶ 2020年度: Asian Monsoon Year (AMY)-II 実施予定

