

WCRP Strategic Planning and Expectations for GEWEX

Ann Henderson-Sellers
Director World Climate Research Programme

WCRP's Mission

- The World Climate Research Programme (WCRP) is the premier, world-wide organisation established to improve the understanding of climate and its prediction

WCRP: 2005-6 Overview

- New Direction: Strategic implementation
- Selective Partnering: ESSP, IPCC esp.
- More Accountable: end-user focus & value
- Better Networks: stakeholders paramount
- Changed management, & new communication
 - New Chair: Dr John Church, March 2006
 - New web; quarterly 'e-zine' and better reports
 - New Director:

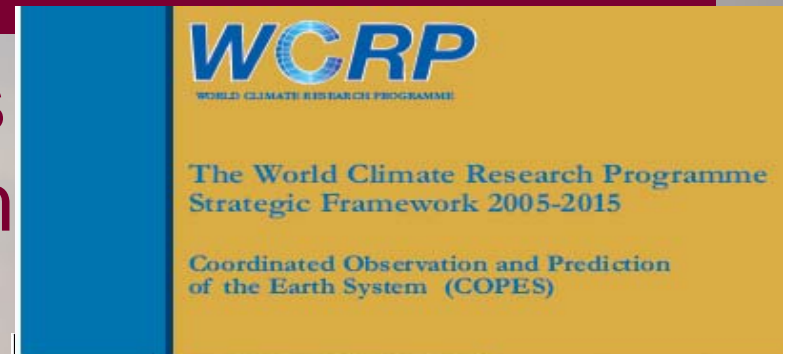
WCRP's Strategic Plan

- WCRP launched its new Strategic Plan 2005-2015 entitled “Coordinated Observation and Prediction of the Earth System” (code word is COPES) last year
- Task in 2006 is to improve the structure, mix of activities and the resourcing of WCRP to accomplish our goal:
 - “to facilitate analysis and prediction of Earth system variability & change for use in an increasing range of practical applications of direct relevance, benefit and value to society.”
- Better Networking WCRP is an important part of this on-going implementation effort

WCRP Strategic Framework

- Builds on 25 years' success 'Analysis & prediction of Earth system variability & change for practical applications of direct relevance, benefit & value to society'
- Our 2 objectives underlined:
 - Climate predictability
 - Human effects on climate

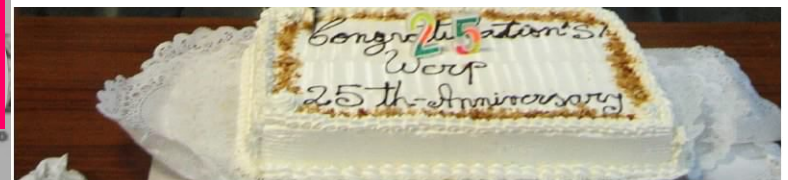
WCRP goal: end-user value
World Climate Research Programme



End users



WCRP celebrates 25 yrs



WCRP Objectives and Aims

Objectives of the WCRP are:

1. to determine the predictability of the climate,
2. to determine the effect of human activities on climate.

WCRP's Strategic Goals 2005-2015 are:

- By understanding the variability and predictability of the individual components of the climate system address the predictability of the total climate system.
- With accurate predictions of the climate investigate the habitability of the earth and so help increase the socio-economic welfare and sustainability of modern societies.

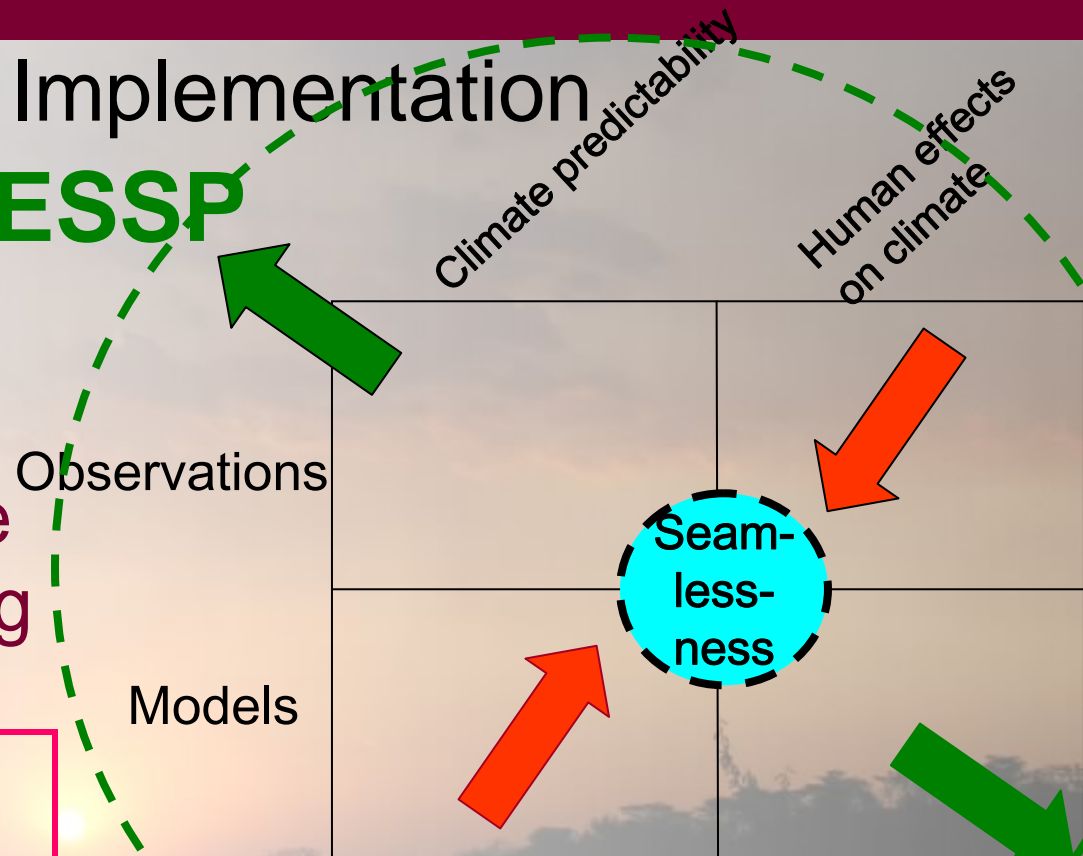
WCRP's role is to identify, lead, co-ordinate, help prioritize, encourage & actively facilitate ***world-class climate research.***

WCRP Road-mapping in 2006

- Two objectives: to determine (i) the predictability of climate & (ii) the effects of human activities on climate
- Two tools: modelling and observations
- Strategic Goals (by 2015) : seamless prediction & ES

WCRP understanding
World Climate Research Programme

Implementation
ESSP



3. Out toward ESS partners

2. Migrate in with THORPEX

What is the WCRP?

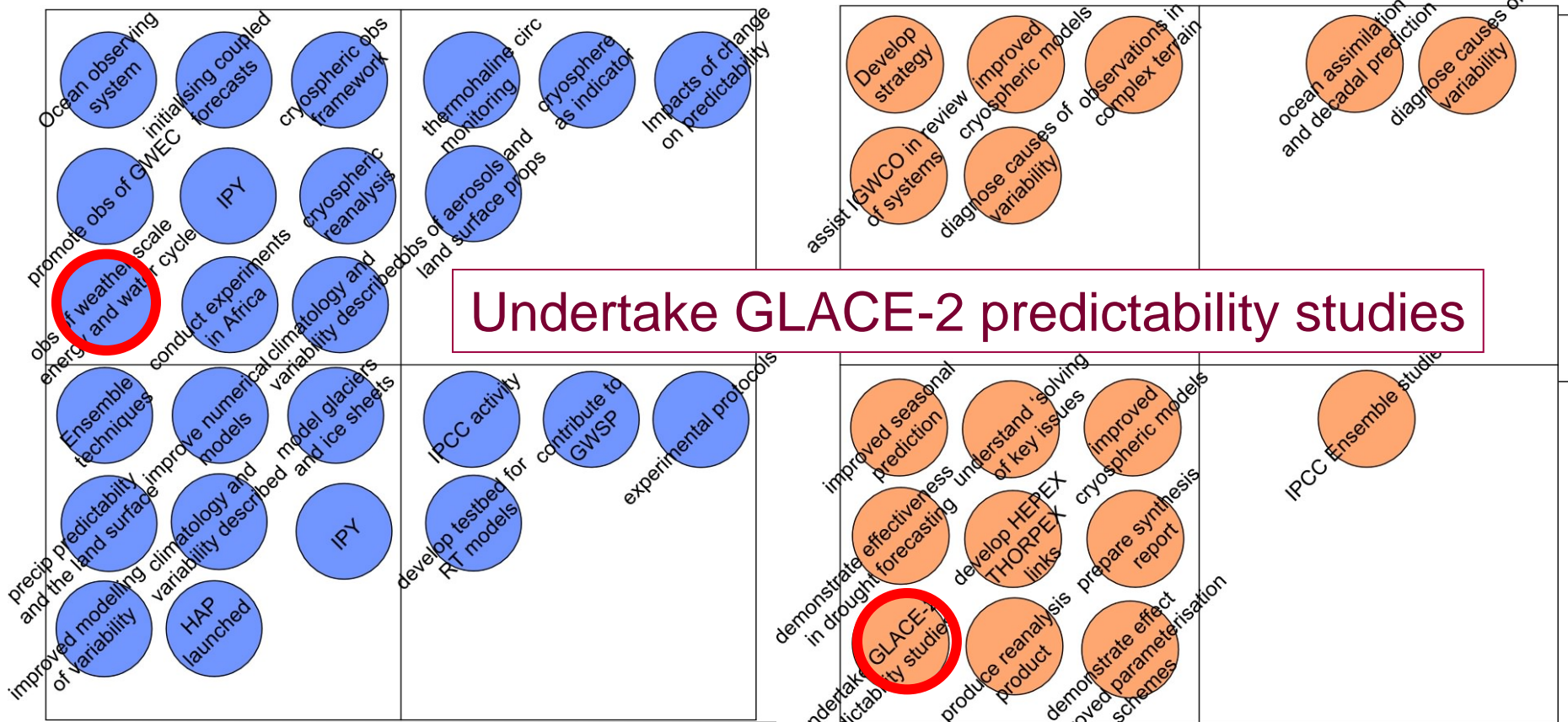
- a facilitator
- a scientific community
- creator of projects
- organiser of activities that encourage scientific research
- encourager of coordinated approach for observations.
- involver of people from different countries
- we collect & analyse data & model results in order to improve predictions of climate
- do we/should we help scientists to argue in their own countries about climate change?
- WCRP is part of many NETWORKS

For discussion

JSC Road-map: the Matrix

PRESENT

IN TO SEAMLESS PREDICTION



Undertake GLACE-2 predictability studies

Assess hydrology in IPCC models

Obs of weather-scale energy & water cycle

What Needs to Improve in WCRP?

- Some say we are not as strong a centre node for the scientific community as we used to be:
 - We are rarely credited, even though other scientific communities base their results on our projects and results
- Some feel our role is not extensive enough:
 - More capacity building is needed
 - More intellectual capacity is needed.
 - International modelling centre is needed
 - More influence in quality climate obs is needed
- We are encouraged to involve more nations and more young/new people to bring new ideas
- We are weaker at oceanography than in other areas

Leveraging International Funds

Global Environmental Change Programmes

- 100% **Research** US\$ 2 bn
- 0.5% **Planning and Coordination** US\$ 10m
- 0.005% **Initialization** US\$ 100k
- Catalyzing new initiatives **ICSU**

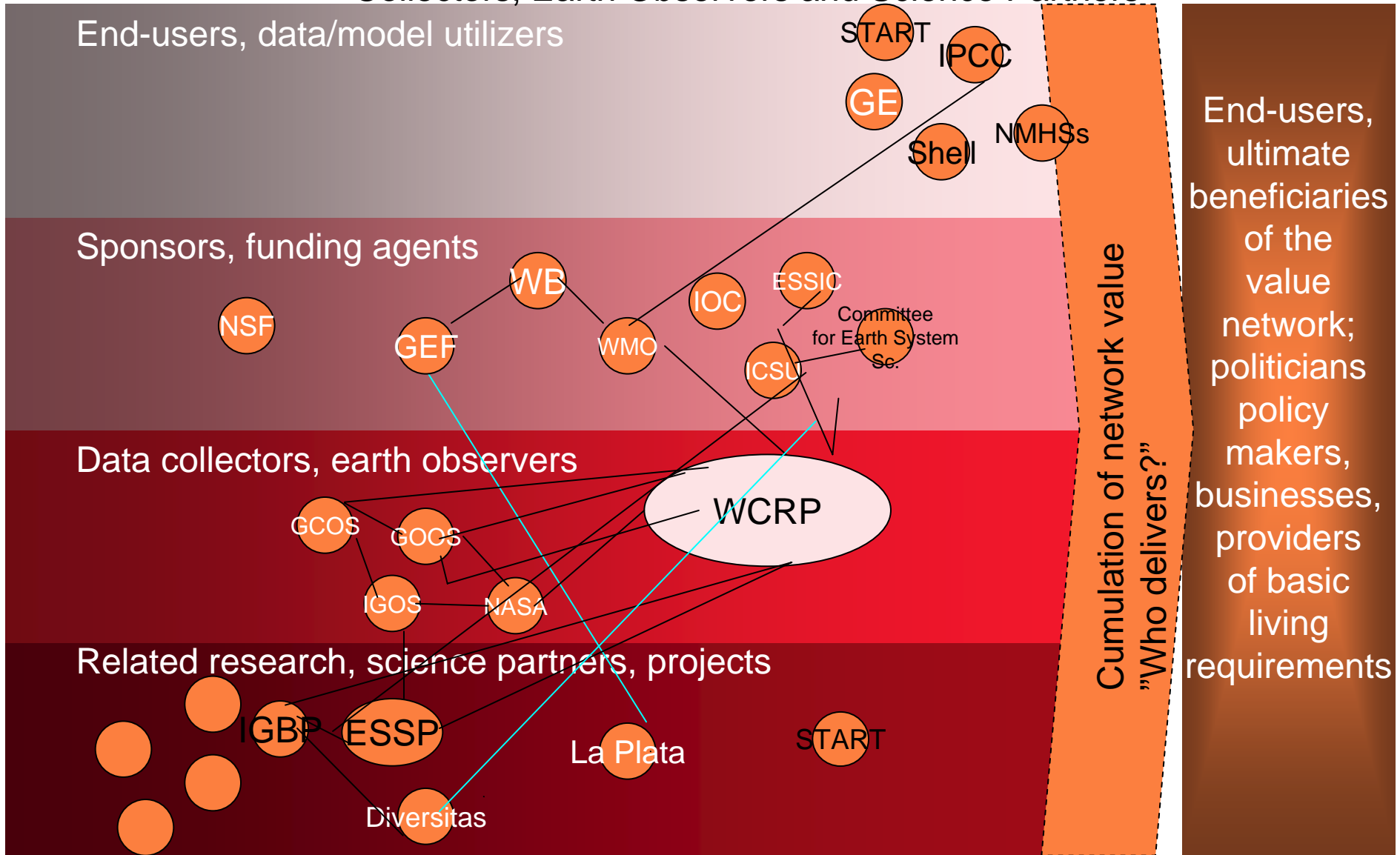
What is GEWEX?
Maybe half this...?
Total funds: CPs, IPOs

Network Survey Aims

WCRP's Network Survey aims to:

- ensure the implementation of WCRP's Strategic Framework 2005–2015
- and help maximise the benefits of the ESSP and WCRP reviews in 2007

Possible view of the WCRP value network: strongest with Data Collectors, Earth Observers and Science Partners

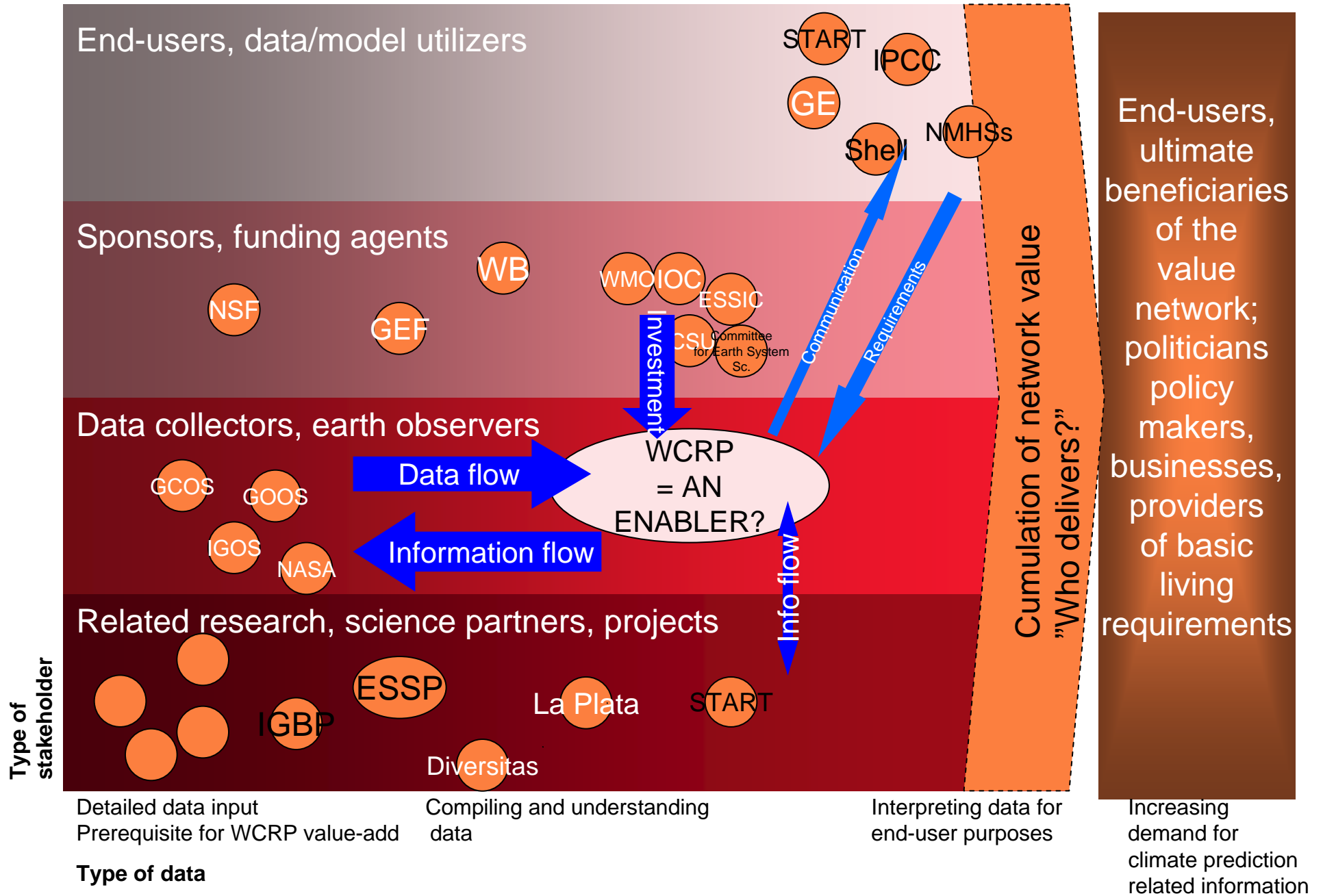


Needs

Stage 1: View the Present

- What are the strategic and operative priorities of WCRP?
 - In comparison to the key stakeholders
 - In connection to the 2005-2015 Strategic Plan
- What exactly is the intensity of WCRP stakeholder /end-user relationships today?
 - How much dependence/ independence does WCRP have from the sponsors?

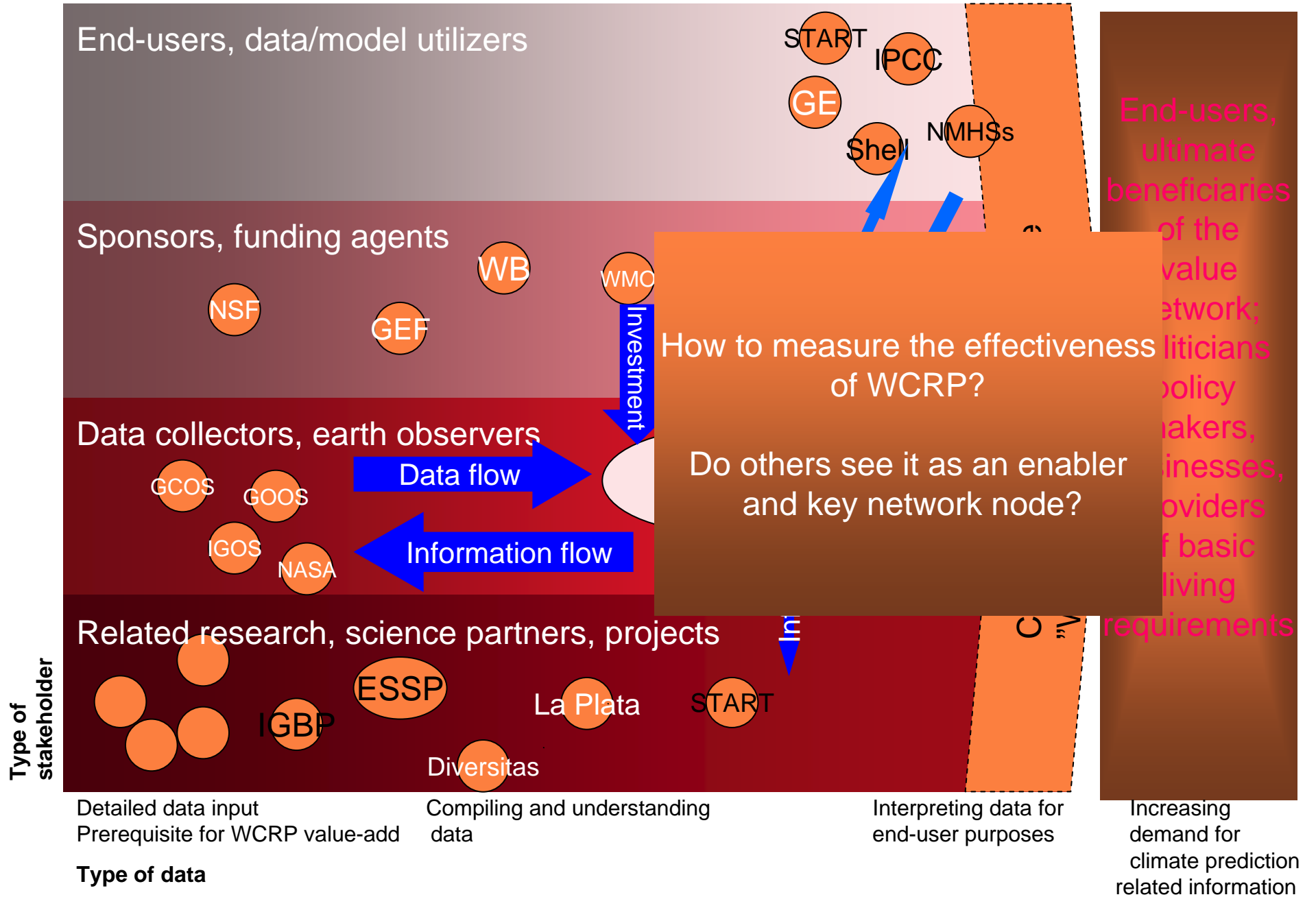
WCRP value network: information and value flows. narrower arrows, smaller flow



Stage 2: Improve our Network(s)

- What is the WCRP readiness to become a better member of or even the leader of a network?
 - Resources, know-how, incentives to partners
- What are the major challenges in better networking from WCRP's point of view?
 - How can the strategic and operative priorities of WCRP be developed in its networks?

WCRP value network – inputs and flows



Discussion & Feedback

- The World Climate Research Programme (WCRP) is the premier, world-wide organisation established to improve the understanding of climate and its prediction
- How can GEWEX contribute to implementing WCRP's strategic plans?
- Feedback and questions welcome

VAMOS: good network example

