



Data needs of the adaptation community in practice

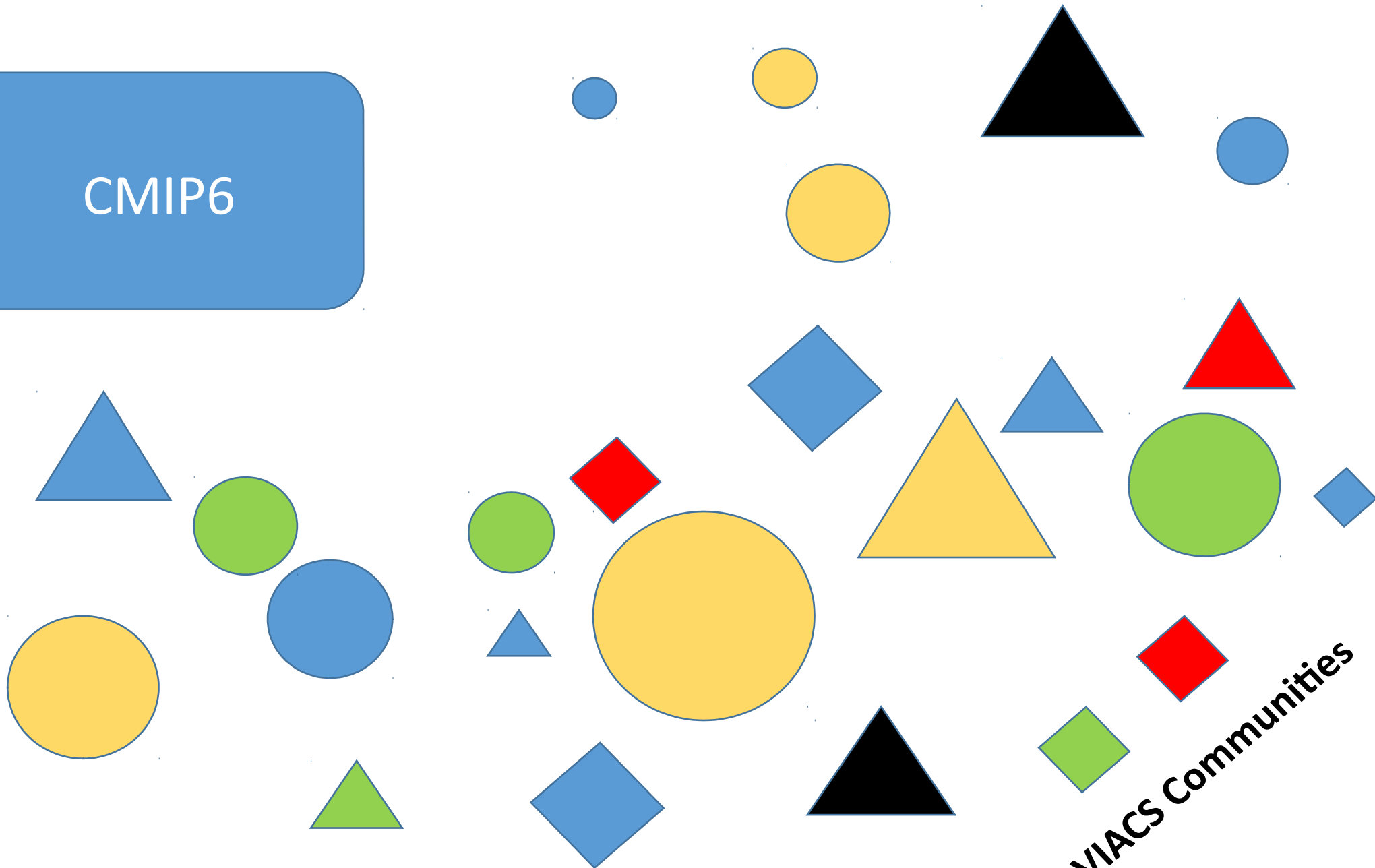
The Vulnerability, Impacts, Adaptation, and Climate Services (VIACS) Advisory Board for CMIP6

Claas Teichmann and Alex C. Ruane

VIACS Community is Diverse and Largely Independent

Different regions, projects, sectors, scales, organization levels

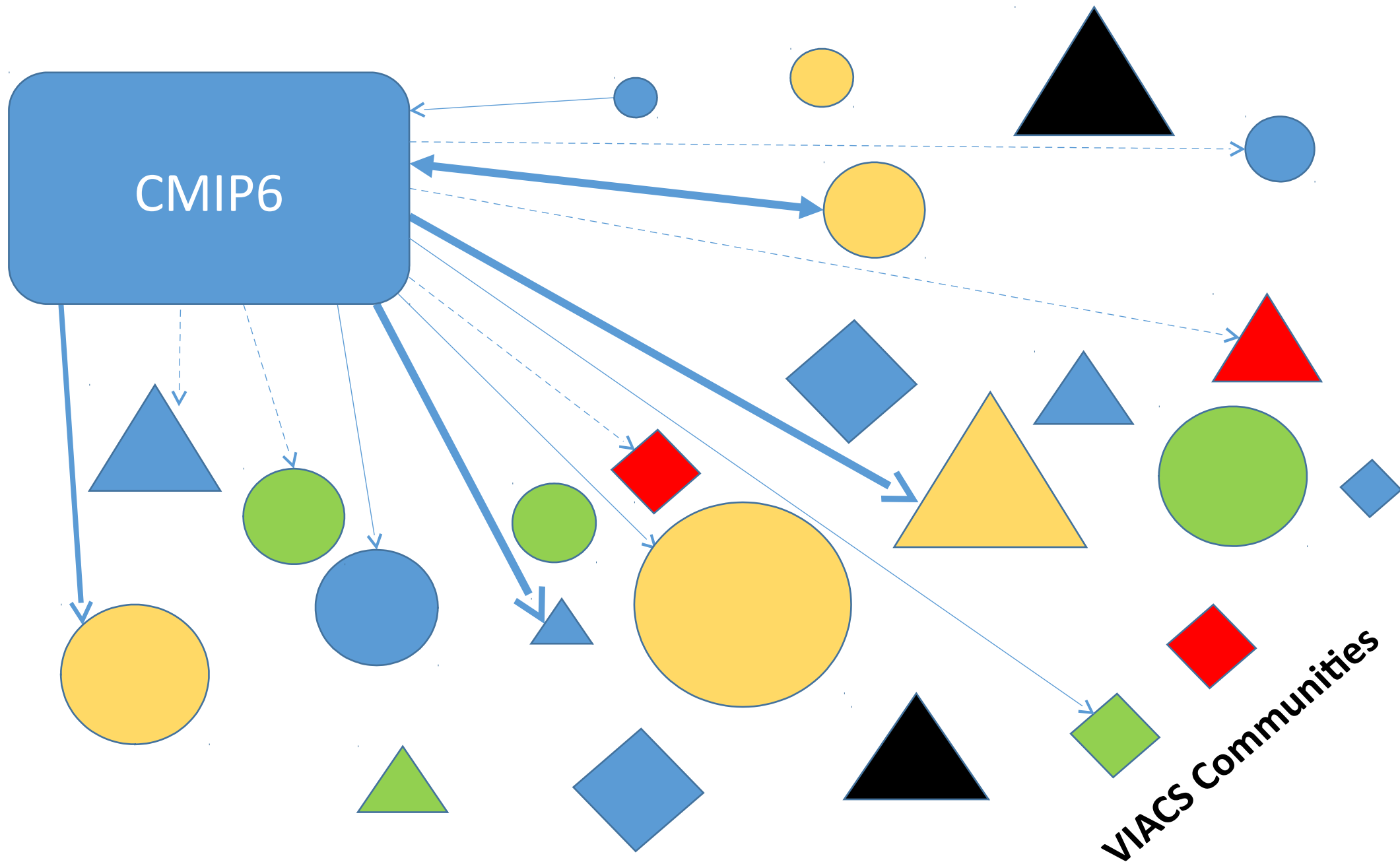
CMIP6



VIACS Communities

VIACS Community is Diverse and Largely Independent

Interactions with CMIP6 too diverse, difficult and inefficient

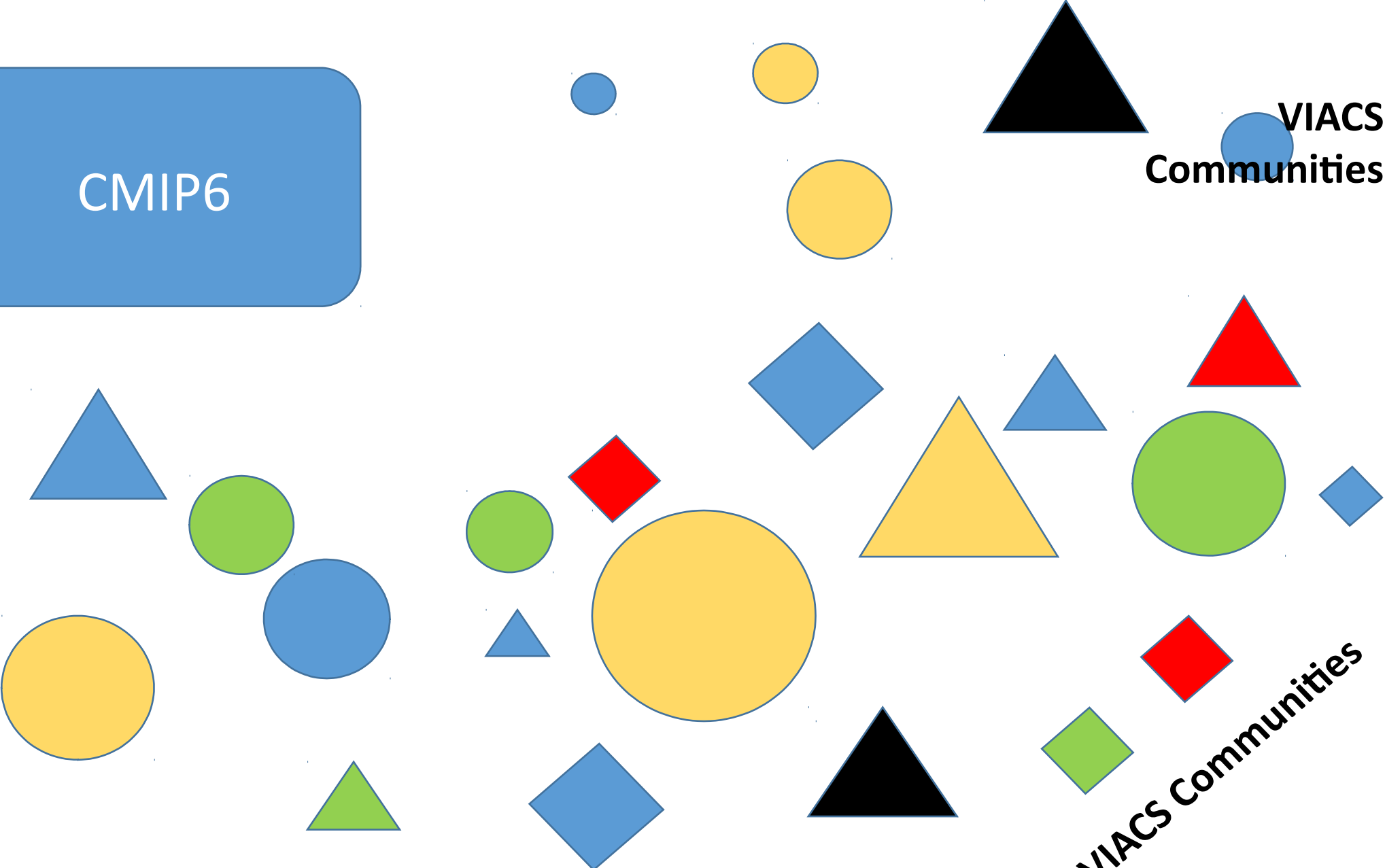


Mutual Benefit to Coordinated Interactions

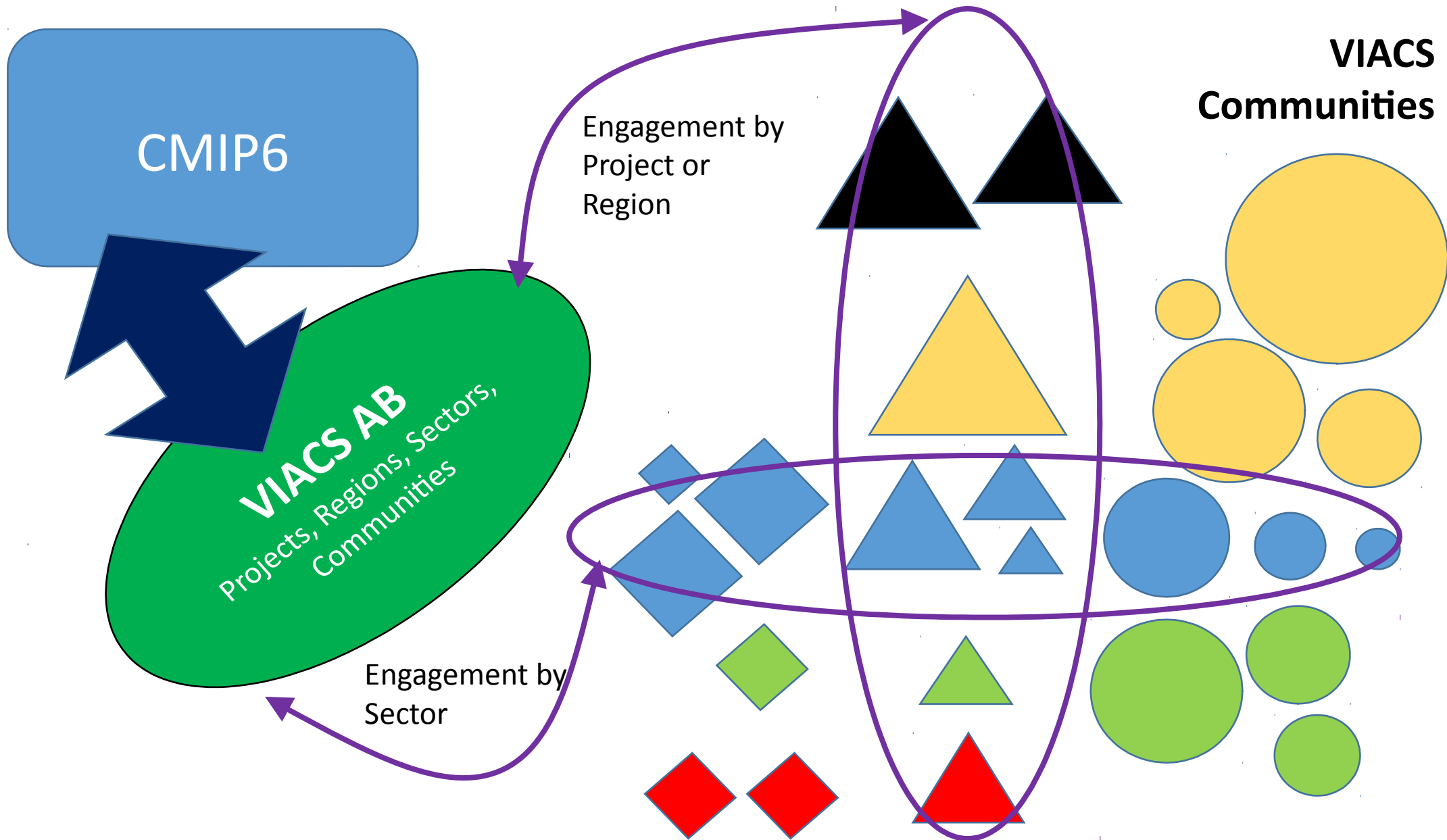
CMIP6

VIACS
Communities

VIACS
Communities



VIACS Advisory Board – Allows for coordinated interaction between CMIP6 and VIACS Communities



Sectors

Board members interact with each other and with CMIP6 on behalf of their broader impact sector communities, including:

- Agriculture and Food Security
- Water Resources and Hydrology
- Infrastructure/Transportation
- Health
- Biomes/Ecology
- Oceans/Fisheries
- Coastal
- Forestry
- Energy
- Urban



Partners

Built around participation of leaders of major societal sector research and established international programs and projects, e.g.:

- **PROVIA** (The Program for Research on Climate Change Vulnerability, Impacts, and Adaptation)
- **Climate Services**
- **TGICA** (IPCC Task Group on Data and Scenario Support for Impact and Climate Analysis)
- **WGRC** (The World Climate Research Programme (WCRP) Working Group on Regional Climate)
- **ICONICS** (International Committee On New Integrated Climate change assessment Scenarios)
- **ISI-MIP** (The Inter-Sectoral Impacts Model Intercomparison Project)
- **AgMIP** (The Agricultural Model Intercomparison and Improvement Project)
- **Others...**

■ CMIP6 data request

Frequent variables:

- Temperature
- Precipitation
- Solar radiation

Frequent MIP experiments:

- DECK Historical simulations
- ScenarioMIP RCP simulations

Additional requests are a mixture of priorities depending on the sector.

■ Outlook

Facilitation of two-way communication around science and application goals:

- construction of model scenarios and simulations
- informed use of model outputs
- design of online diagnostics, metrics, and visualizations of relevance to society.
- Identify best practices and priority areas of research and application

■ Thank you for your attention!

Contact:

Claas Teichmann
Climate Service Center Germany
Fischertwiete 1
20095 Hamburg

claas.teichmann@hzg.de
www.climate-service-center.de