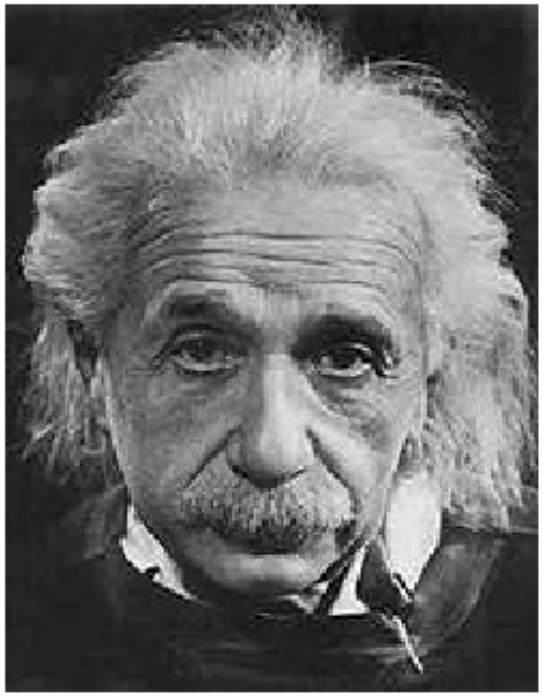
Further, Faster, Together

Managing and Reducing Heat Risk
-- as a Global Community

A Systems Approach

Thinking in Systems



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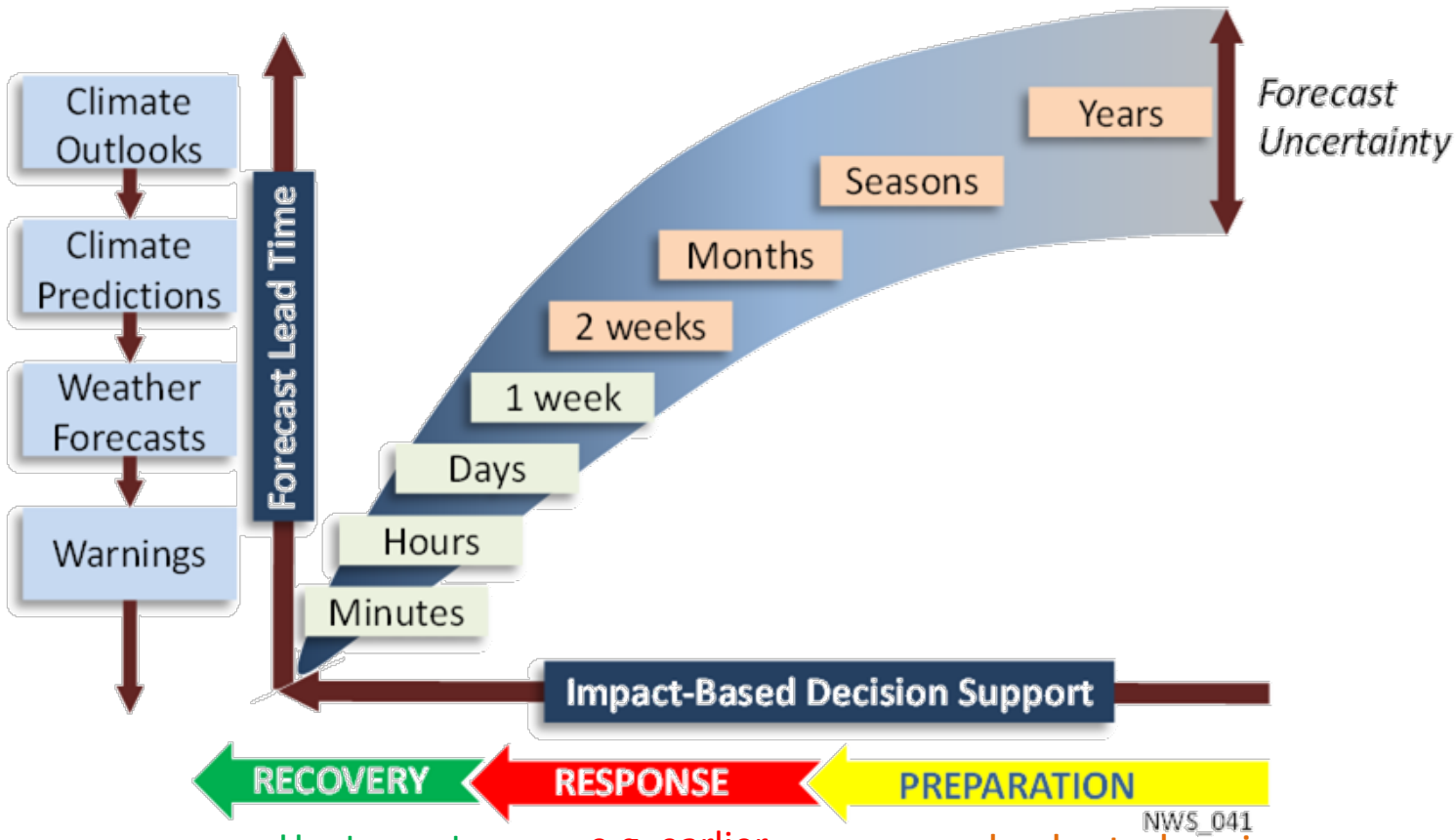
"The problems we have created in the world today will not be solved by the level of thinking that created them."

--Albert Einstein

Further, Faster, Better--together

- How to do we learn from each other?
- Who is making what decisions, what information do they need and when do they need it?
- What actions should we be taking to reduce health risks from heat—when and by whom?
- What are the most pressing research needs?
- What kind of health surveillance and earth system observation networks should we be supporting or building?
- What institutions and sectors need to be working together?

Information is Needed Across **All Timescales** for Action



e.g. Heat event communication and management

e.g. earlier preparation, cooling facilities, outdoor worker schedules, staffing

e.g. budget planning, Infrastructure development and urban planning

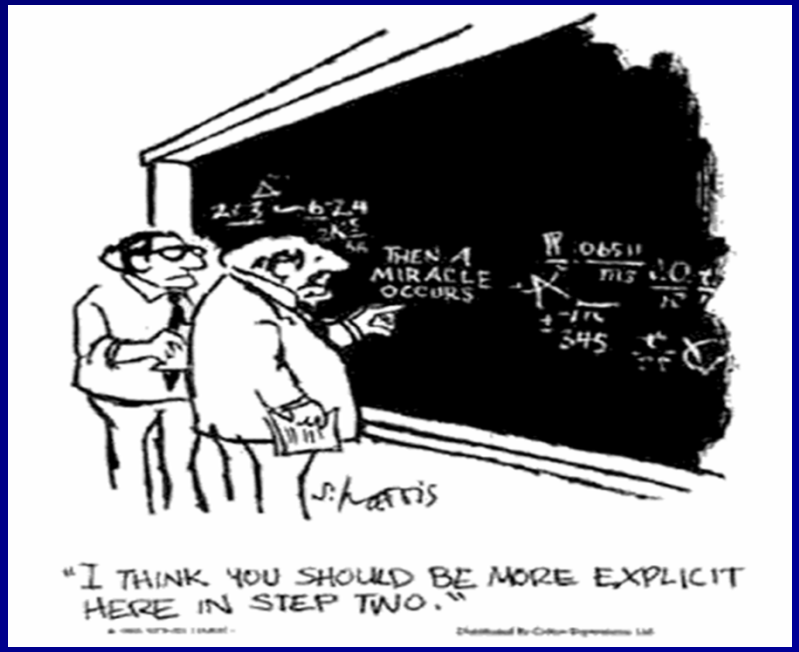
“The single biggest problem in communication is the illusion that it has taken place.”

- George Bernard Shaw

What is an Integrated Information System?

An institutional construct that:

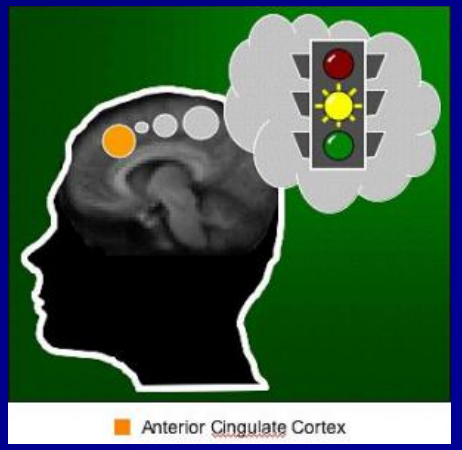
- Facilitates **FLOW** of information, knowledge and needs between disciplines, institutions, sectors and decision makers in order to
  - **deliver the right information**
  - **to the right person**
  - **at the right time**
- Provides structure for shared-learning, co-development and innovation
- Provides feedback to all parts for more rapid improvement and action



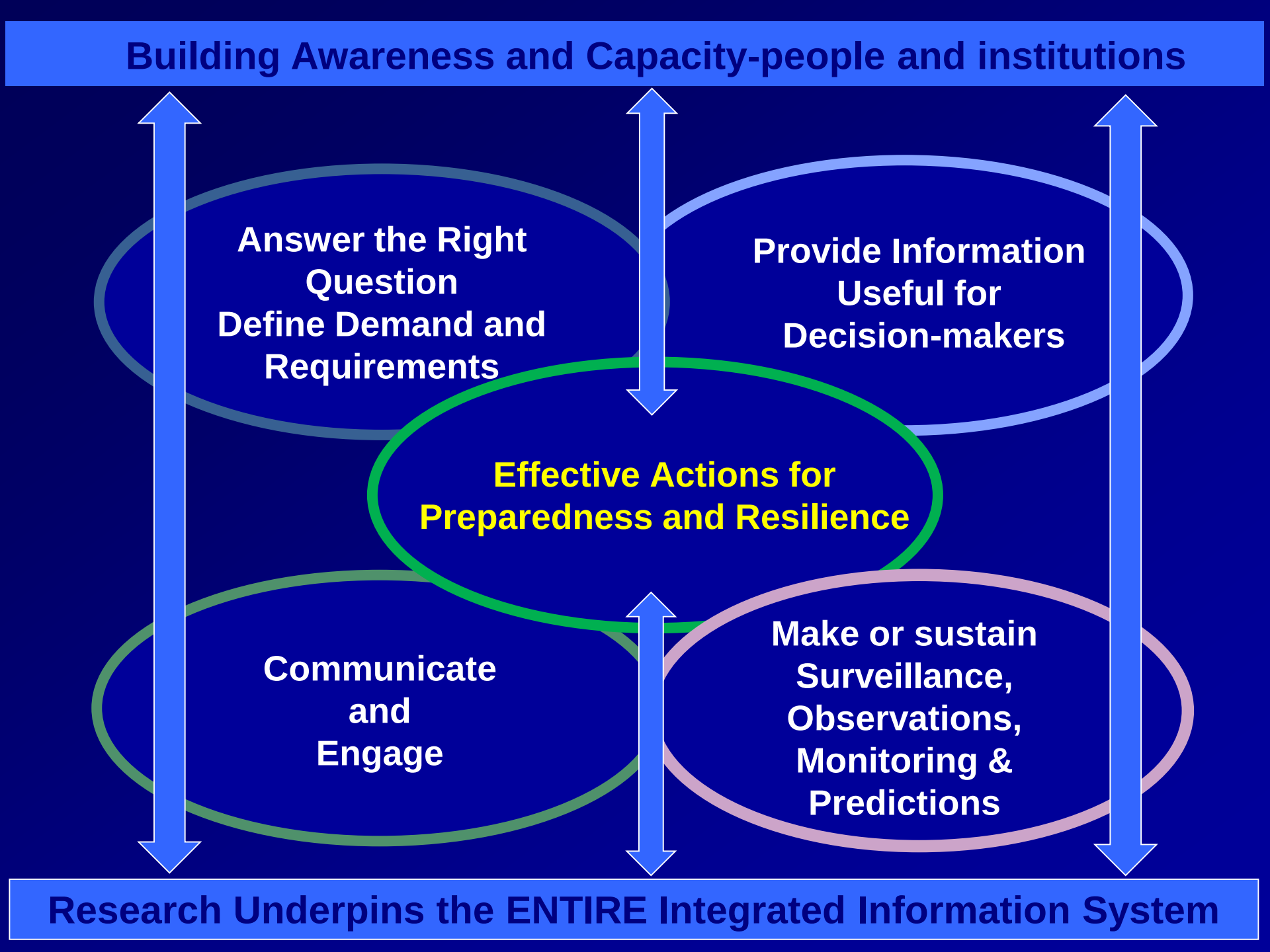
What Does An Integrated Information System Do?

The systematic discovery, collection, and analysis of relevant information **about and coming from** areas of impending risk that:

(a) Answers the right question
(b) Informs the development of strategic responses anticipating risks and opportunities
(c) Identifies mutual priorities, resource dependencies and responsibilities
(d) Communicates options to critical actors for the purposes of decision-making and response
(e) Sustains engagement over a long period of time



Informs early warning to early action, fosters preparedness, enhances resilience


Building Awareness and Capacity-people and institutions
Answer the Right Question
Define Demand and Requirements
Provide Information Useful for Decision-makers
Effective Actions for Preparedness and Resilience
Communicate and Engage
Make or sustain Surveillance, Observations, Monitoring & Predictions
Research Underpins the ENTIRE Integrated Information System

Connecting Expertise in Five Science Themes

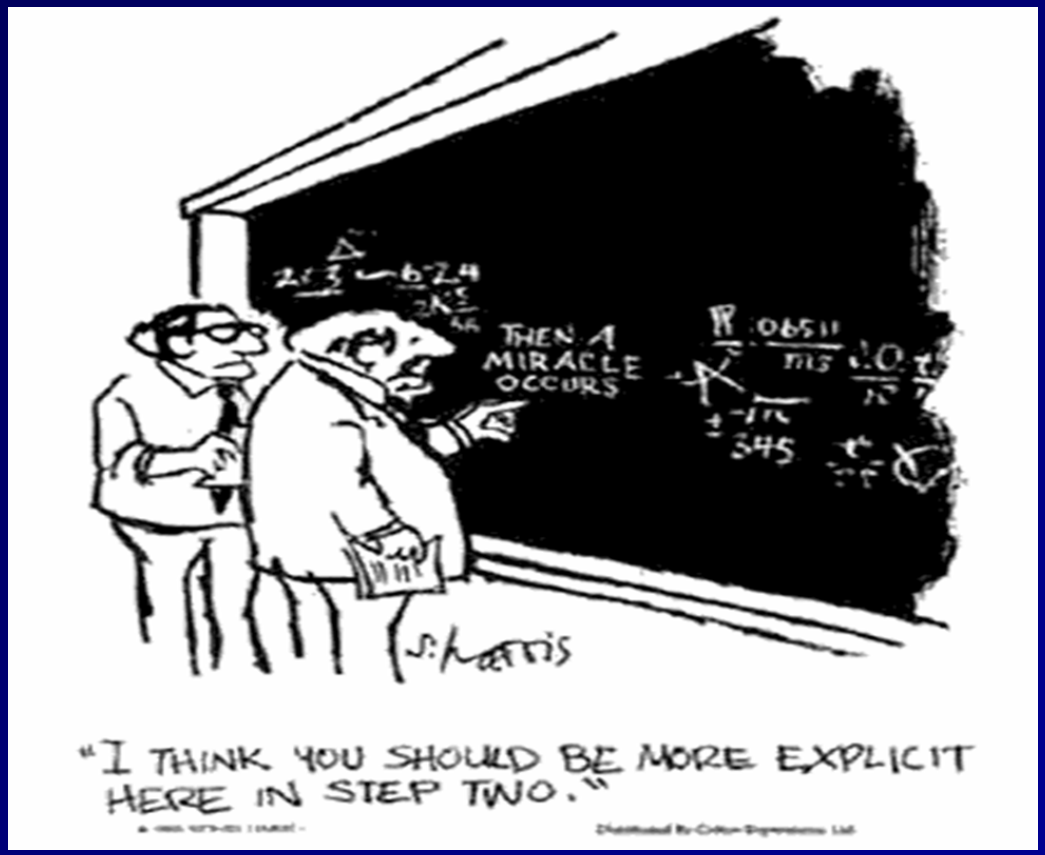
To define and advance a common action agenda

1. **Capacity and Partnerships to Manage Heat Risk**
2. **Understanding heat risk – Research, Vulnerability, Impacts**
3. **Obs., Data and Forecast, and EWS Products for Action**
4. **Actions to Manage Heat Risks Interventions and Effectiveness**
5. **Engagement, Outreach and Communication**

- Facilitate Shared Learning
- Ensure User-Driven Focus
- Shift the engagement paradigm
- Align with functional and funding communities

Action Informs Research
Which informs data and information and services
Which informs action
Which informs research
Which informs data and information and services

Help Shape GHHIN: Further, Faster, Together



- ✓ Ask and Answer the right question
- ✓ Engage new partners
- ✓ Build Trust
- ✓ Be Creative
- ✓ Be Patient
- ✓ Have Fun

- ✓ Save Lives

Key Forum Outcomes Across Themes

Key Science Gaps and High Priority Research areas

What more to do we need to know

Identified Operational Gaps and Enabling High Priority Actions

What more to do we need to do

Novel and Critical Innovations Identified

Successes and promising areas of work

Identified Opportunities and Proposed Actions

What contributions can be put forward, e.g. we are already doing X, and will include and share with GHHIN partners

Recommendations for GHHIN

What should we focus on doing and making happen