

NEESPI IN TRANSITION

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THE NEESPI TIMELINE

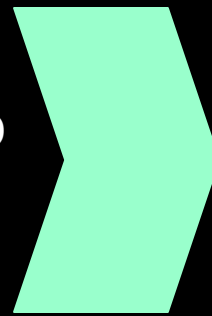
- 2000: A GROUP OF SCIENTISTS WITH NASA SUPPORT (US) AND FROM THE RUSSIAN ACADEMY OF SCIENCES (RAS) MET TO DISCUSS THE POSSIBILITY OF A PROJECT IN NORTHERN EURASIA.
- 2001: A SECOND MEETING WAS HELD BETWEEN NASA-FUNDED SCIENTISTS AND RAS.
- 2002: A THIRD MEETING WAS HELD WITH BROADER PARTICIPATION AND A COMMITMENT WAS MADE TO WRITE A SCIENCE PLAN.
- 2003: THE FIRST SCIENCE PLAN WORKSHOP WAS HELD. AN EXTERNAL REVIEW OF THE SCIENCE PLAN TOOK PLACE AND REVIEW COMMENTS WERE PREPARED.
- 2004: THE SCIENCE PLAN WAS FINALIZED AND A SUMMARY PAPER WAS PREPARED. THE REVISED SCIENCE PLAN WAS ADOPTED BY THE COMMUNITY.
- 2005: NASA INITIATED STEPS TO BROADEN THE SUPPORT FOR THE PROGRAM BY MAKING IT MULTIAGENCY AND FULLY INTERNATIONAL. IGPO WAS ENLISTED TO HELP WITH THIS ENDEAVOUR. NEESPI MADE SIGNIFICANT PROGRESS IN MAKING LINKS WITH IGBP, GEWEX, iLEAPS AND OTHER GROUPS.

NORTHERN EURASIA WILL BENEFIT FROM NEESPI BECAUSE IT:

- 1. PROVIDES A BASIS FOR COLLABORATIVE RESEARCH BASED ON BROADLY ACCEPTED SCIENCE PLANS.**
- 2. BUILDS RESEARCH NETWORKS TO TACKLE FOCUSED SCIENTIFIC QUESTIONS THAT ARE BEYOND THE CAPABILITIES OF INDIVIDUALS AND SOME NATIONAL LABS.**
- 3. PROMOTES STANDARDIZED DATA MANAGEMENT METHODOLOGIES.**
- 4. PROVIDES COORDINATION FOR COMPLEX, MULTINATIONAL FIELD CAMPAIGNS.**
- 5. CAN PROVIDE MORAL SUPPORT TO ARGUE FOR LONG-TERM FIELD OBSERVATIONS.**
- 6. FACILITATES MODEL INTERCOMPARISONS AND OTHER MODEL EVALUATION ACTIVITIES**
- 7. PROVIDES MORE VISIBILITY FOR REGIONAL RESEARCH EFFORTS AND PROVIDES A STRONGER CASE FOR THEIR SUPPORT.**

TRANSITION #1: FROM INDIVIDUAL STUDIES TO COORDINATED IMPLEMENTATION

INDIVIDUAL PROJECTS FUNDED SEPARATELY WITHOUT CLEARLY DEFINED CONNECTIONS TO THE SCIENCE PLAN IN A NUMBER OF CASES.



A COORDINATED SET OF RESEARCH ACTIVITIES THAT ARE MUTUALLY SUPPORTIVE AND RECEIVE CENTRALIZED SUPPORT FOR AND ARE VISIBLE AND EFFECTIVE AS A “PROGRAM.”

1. WHERE IS NEESPI IN THIS CONTINUUM?
2. WHAT FACTORS LIMIT NEESPI'S PROGRESS IN MAKING THIS TRANSITION OCCUR?
3. HOW CAN THESE BARRIERS BE REMOVED?

PROGRAM IMPLEMENTATION

THE US NEESPI PROGRAM IS BEING DELIVERED THROUGH INDIVIDUAL PROJECTS FUNDED THROUGH AGENCY PROGRAMS. DIFFERENT ASPECTS OF THE PROGRAM WILL BE COORDINATED THROUGH RESEARCH CENTERS. SCIENCE CENTERS ARE BEING DEVELOPED TO PROVIDE COMMON SERVICES (E.G., DATA MANAGEMENT)

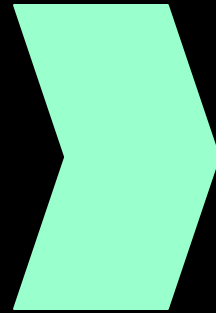
INTERNATIONALLY, NEESPI ACTIVITIES WILL BE UNDERTAKEN THROUGH INDIVIDUAL PROJECTS IN THE ACADEMIC SECTOR WITH GOVERNMENT OR OTHER FUNDING SOURCES AND GOVERNMENT PROGRAMS WHERE APPROPRIATE.



COORDINATION OFFICES AT THE NATIONAL AND INTERNATIONAL LEVEL ARE NEEDED TO ENSURE THAT THE FULL BENEFITS OF THE PROGRAM ARE REALIZED.

TRANSITION #2: FROM A SCIENCE PLAN TO PROJECT IMPLEMENTATION

A GENERAL SCIENCE PLAN THAT IS USEFUL IN GETTING NEESPI INCLUDED IN AGENCY CALLS FOR PROPOSALS AND GIVES NEESPI CREDIBILITY



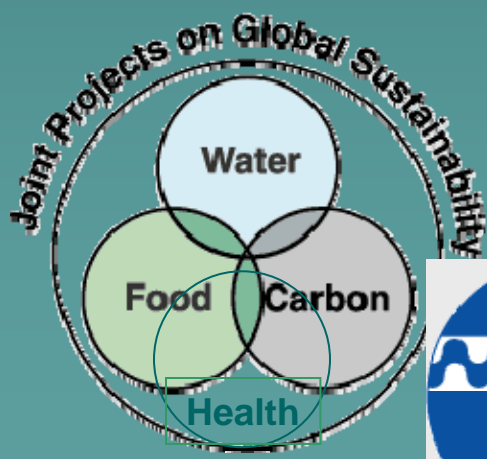
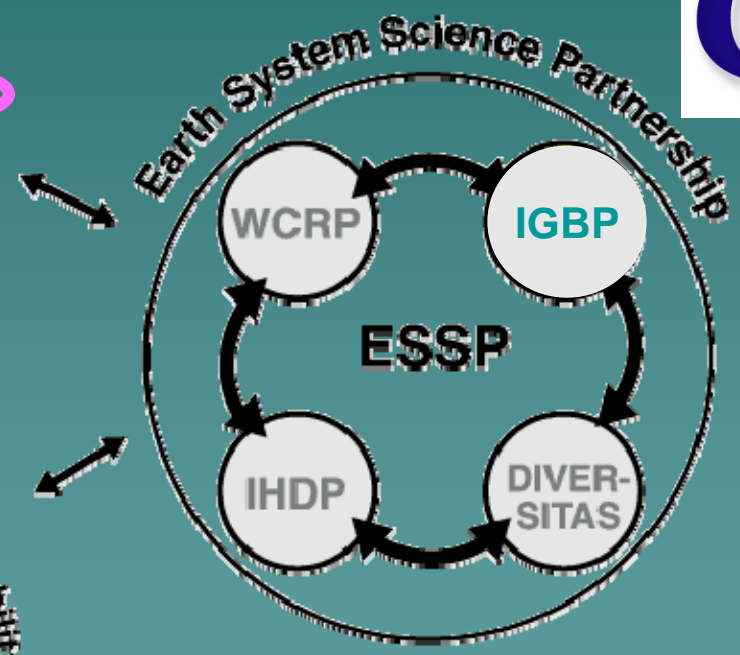
A PLAN FOR IMPLEMENTING A SET OF RELATED AND INTERACTIVE RESEARCH ACTIVITIES WITH THE MAXIMUM EFFECTIVENESS AND IMPACT.

1. ARE WE DOING EVERYTHING THAT WE SAID WAS NEEDED IN THE SCIENCE PLAN?
2. HOW WELL ARE THE PROJECTS INTERACTING WITH EACH OTHER?
3. IS THE SCIENCE PLAN UP-TO-DATE OR DOES IT NEED TO BE REVISED TO ACCOMMODATE THE RECENTLY APPROVED PROJECTS?
4. DOES NEESPI NEED A FULL IMPLEMENTATION PLAN/STRATEGY? ARE WE IMPLEMENTING NEESPI WITHOUT AN AGREED UPON PLAN?
5. WHAT INFRASTRUCTURE SUPPORT DO THE PROJECTS NEED?



NEESPI ADDRESSES ISSUES OF CONCERN TO THE EARTH SYSTEM SCIENCE PARTNERSHIP (ESSP)

A ROLE FOR NEESPI?



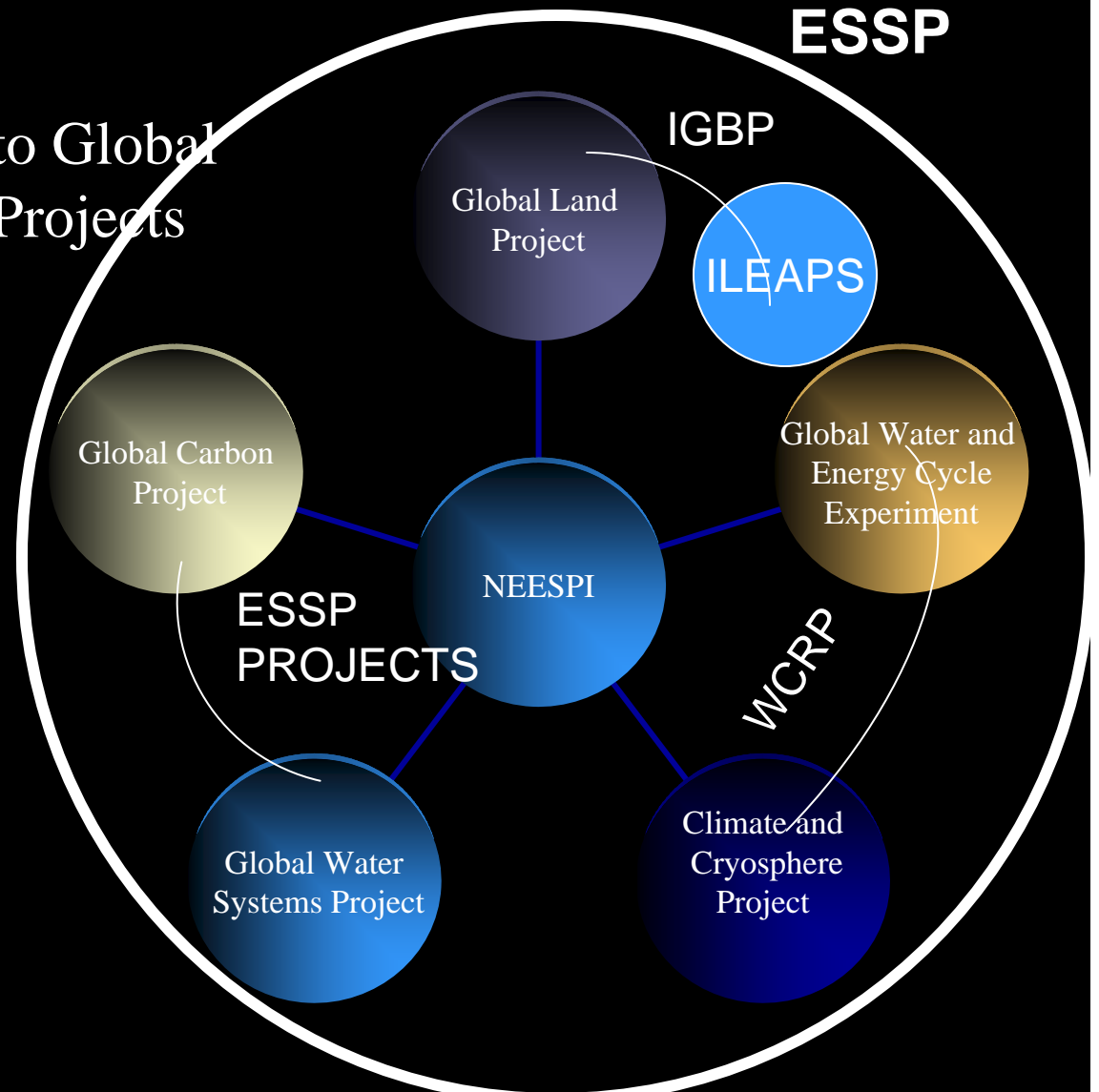
ISSUE: HOW SHOULD WE DECIDE ON THE BEST AFFILIATION FOR NEESPI?

IT MUST BE MORE THAN JUST A WHEEL OF FORTUNE

.. OR THE FIRST GROUP TO BE APPROACHED.

ESSPLIKELY PROVIDES THE MOST APPROPRIATE HOME THROUGH ITS LINKS WITH ALL OF THE RELEVANT PROJECTS AND ITS INTEGRATED REGIONAL PROJECTS ACTIVITY

Links to Global ESSP Projects



TRANSITION #3: FROM NASA/RAS BILATERAL TO AN INTERNATIONAL ENVIRONMENTAL PROGRAM

INDIVIDUAL PROJECTS FUNDED BY NASA OR RAS WITHOUT HIGH INTERNATIONAL VISIBILITY AND WITHOUT KEY ELEMENTS OF SUPPORT.



NEESPI IS ON THE VERGE OF BEING ACCEPTED AS AN INTERNATIONAL PROGRAM IN IGBP AND POSSIBLY ESSP. INTERNATIONAL PROGRAMS REQUIRE A COMMITMENT OF RESOURCES AND ACCOUNTABILITY IN TERMS OF REPORTING, ADHERENCE TO THE PROGRAM'S POLICIES, REQUIREMENTS FOR COORDINATION, ETC.

1. WHAT LEVEL OF COORDINATION DO NEESPI PROJECTS REQUIRE?
2. WHAT POLICIES OR ACCEPTANCE CRITERIA DO THE POSSIBLE RECEIVING GROUPS HAVE FOR NEESPI (IN TERMS OF MODELING, DATA SHARING, ETC.)
3. DOES NEESPI HAVE THE PROGRAMMATIC INFRASTRUCTURE IN PLACE TO DEAL WITH A NEW REPORTING REQUIREMENTS AND EXPECTATIONS FOR A NEWSLETTER, WEB SITE, ETC.

STATUS OF THE PROJECT IN VARIOUS COUNTRIES

RUSSIA: THE RUSSIAN ACADEMY OF SCIENCES IS FUNDING A NUMBER OF PROJECTS. THERE IS POTENTIAL FOR MORE INVOLVEMENT OF GOVERNMENT SCIENTISTS.

CHINA: THE CHINESE ACADEMY OF SCIENCES IS FUNDING SOME PROJECTS

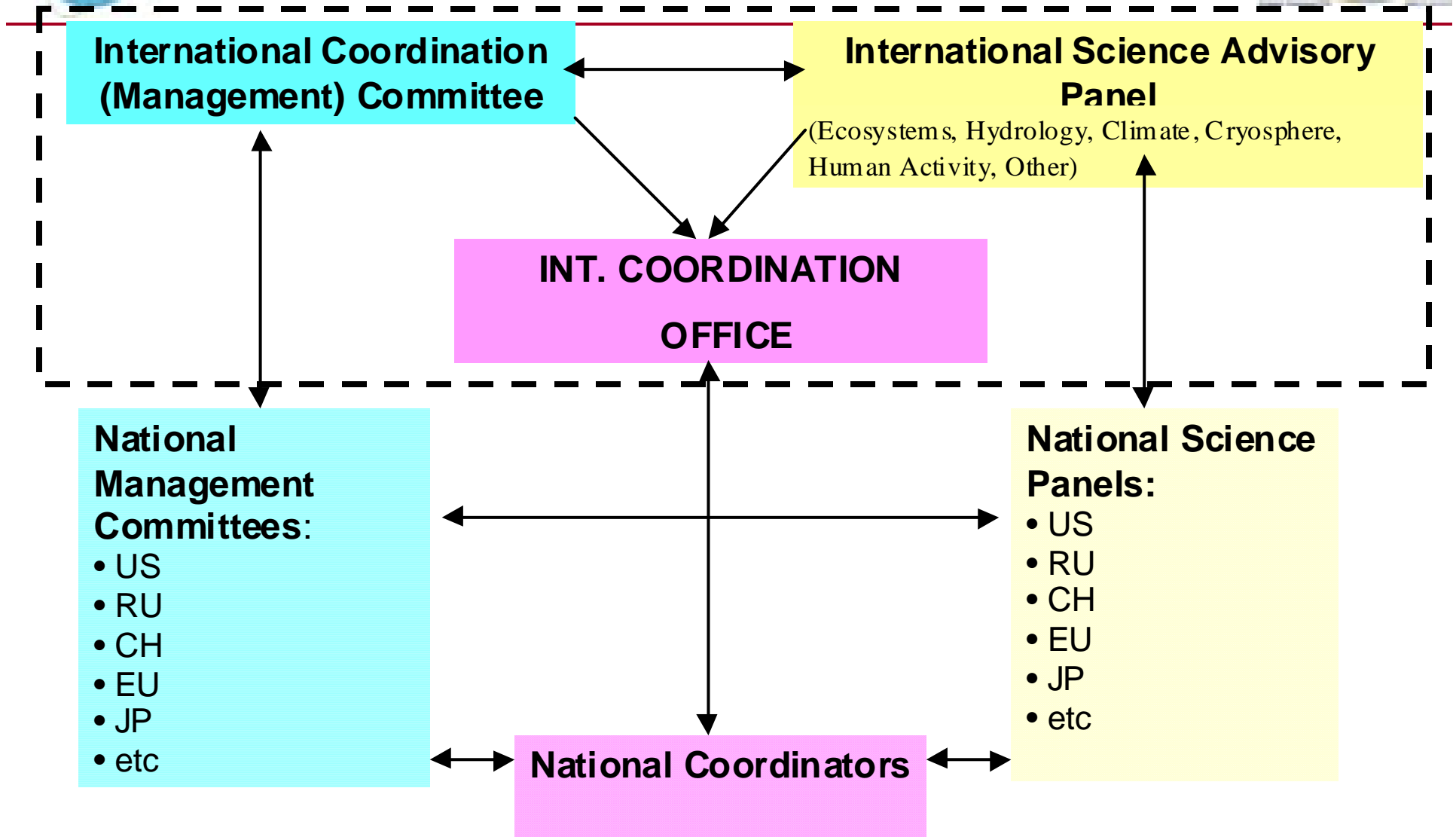
MANY COUNTRIES HAVE EXPRESSED AN INTEREST IN THE PROJECT AND HAVE DESIGNATED COORDINATORS OR CONTACT PERSONS.

JAPAN IS WAITING FOR NEESPI TO BE ADOPTED BY AN INTERNATIONAL PROGRAM SO IT CAN ESTABLISH A NATIONAL COMMITTEE AND BE MORE EFFECTIVE IN SEEKING FUNDING.





Projected NEESPI Organizational Structure



Currently, we envision six NEESPI Focus Research Centers

- **Existing:**
- *Center for Cold Land Processes and Arctic Coastal Studies*
- *Center for Water System Studies*
- *Center on Aerosol Studies*
- *Center for Land Use Studies*
- *Center for Biogeochemical Cycle Studies*

Projected:

- *Center for Integration of the NEESPI Results and Modeling Studies*