

This meeting will be a success if we make progress towards

- **Synthesis** of current state of knowledge of changes, field and modeling capabilities:
 - (a) **NATO ARW Proceedings and**
 - (b) **a BOOK** under the auspices of the **Ukrainian Academy of Sciences**

Integration of NEESPI regional studies

- (a) **Proposals to National and International Funding agencies**
- (b) **Recommendations** (reforestation?)
- **Identification of missing research topics** critical for achievement of the NEESPI objectives within southwestern part of the NEESPI domain and thus for global change research

We need to strengthen the
NEESPI research focus to more
effectively address **projections...**

Charge:

**What is the best road towards
this goal?**

Discussion

- Let us care about reforestation of the region; Many reasons are for this and main of them are: soil protection, water quality, flood protection, recreation needs
 - External funding in re-forestation for local and global benefits
 - But, to sign for this **we need quantified reliable models to use their results as a final argument instead of hand waiving of experts.**
- Who may be interested in “greener” Ukraine?
- We all work separately. Need for better “network”. Poor integration of existing projects.

Discussion, cont. (2)

- Take model results with a grain of salt.
- Further but smart (!) human interference is unavoidable; nature cannot restore itself after the damage we have already made to it.
- Use effectively existing human resources in field work and environmental studies
- Regional office is useful (e.g., like GOFC-GOLD, that has Office in Jena, Germany)
- Apply **Google Earth** technology for the region

Discussion, cont. (3)

- Better climate change scenarios and RCMs should be created for the region
- Adaptation research is currently underrepresented or compromised by past experiments
- Go beyond the “boundaries” (countries, disciplines, biomes). Most interesting changes happen in transition zones
- Advise to governments (students still believe that these folks are listening)

Discussion, cont. (4)

- Interdisciplinary studies are needed
- Acad. V.I. Lyalko: “Ukraine is initiating a program to develop (revitalize) an environmental monitoring network of “testbeds” that will cover each major biome of the nation and be used to test remote sensing products, RCMs, GCMs, TEMs, and Earth System Models specifically in their ability to do the job for the nation. The testbeds will have an international component”.
- Welcome to Romania! Closer collaboration is warranted and is welcome.

Specifics of the SE NESPI domain

- Two boundaries: Forest-steppe and steppe-desert
- Dense rural population with intense land use
- Need of “Ecological” and “Human” blocks and ecosystem-bounded domains of study
- Political hardships unsettled
- Modern GCMs give similar large scale projections for the region
- Validation data are badly needed

–Regional Center for
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Europe

*–Please, contact and report your
projects to Dr. Csaba Mátyás*

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