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Three Instruction Sessions:

- ❖ Developing the checklist
- ❖ Searching for data (EML / MORPHOS)
- ❖ Creating metadata

Data Package Metadata

Enter the title of the data package. The title field provides a description of the data that is long enough to differentiate it from other similar data

Enter an abstract that describes the data package. The abstract is a paragraph or more that describes the particular data that are being documented. You may want to describe the objectives, key aspects, design or methods of the study.

Enter the keywords. A data package may have multiple keywords associated with it to enable easy searching and categorization. In addition, one or more keywords may be associated with a keyword thesaurus, taxonomy, ontology or controlled vocabulary, which allows the association of a data package with an authoritative description definition. Authoritative keywords may also be used for internal categorization.

Enter information about the owners of the data. This is information about the persons or organizations certified as data owners. The list of data owners should include all people and organizations who should be cited for the data. Minimally include full name, organization name, owner address and email.

Enter information about the contacts. This is information about the people or organizations that should be contacted with questions about the use or interpretation of your data package. Minimally include full name, organization name, address, and email.

Enter associated parties information. These are persons or organizations functionally associated with the dataset. Enter the relationship. For example, the person who maintains the data has an associated function of “custodian.” Minimally include functional role, full name, organization name, party address and email.

If part of a larger project, identify the project. If applicable, include funding agency and project ID.

Enter a paragraph that describes the intended usage rights of the data package. Specifically, include any restrictions (scientific, technical, ethical) to sharing the dataset with the public scientific domain.

Enter a description of the geographic coverage. Enter a general description of the geographic coverage in which the data were collected. This can be a simple name (e.g., West Lafayette, Indiana) or a fuller description.

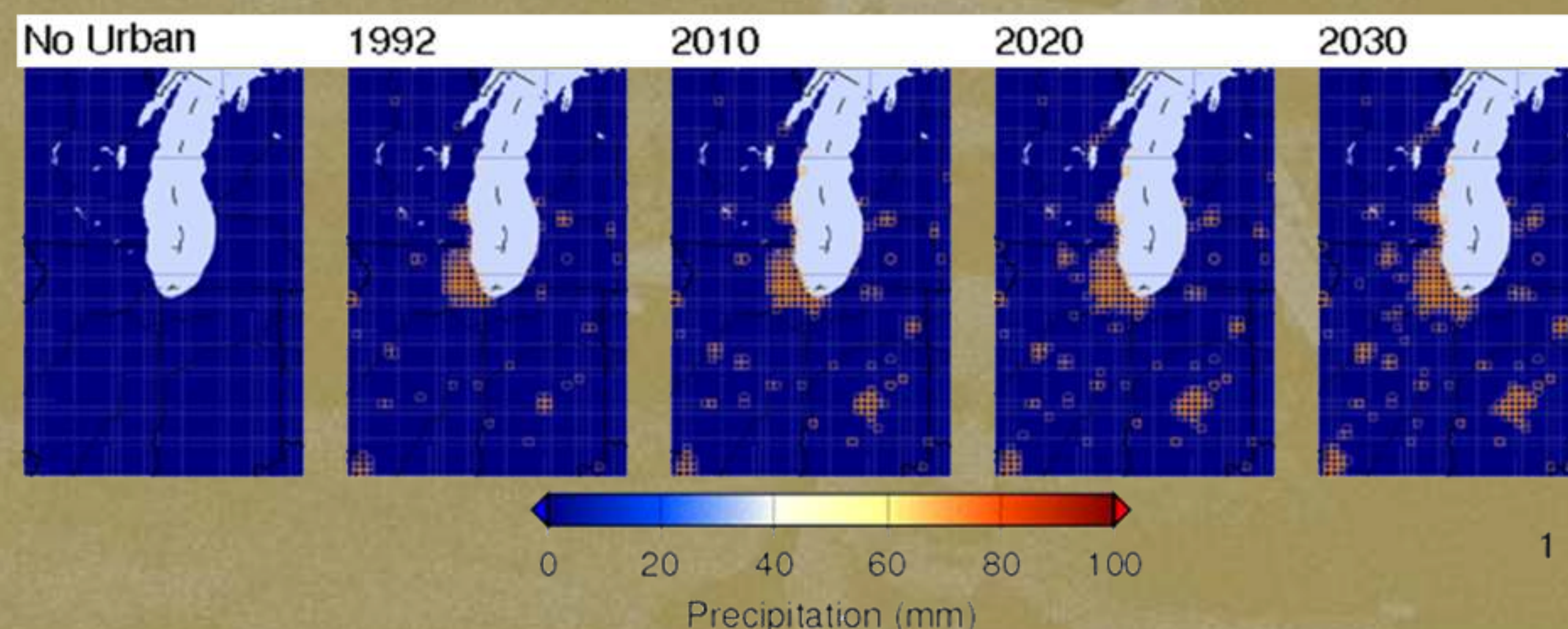
Set the geographic coordinates which bound the coverage or a single point. Latitude and longitude values are used to create a “bounding box” containing the region of interest (e.g., degrees/minutes/seconds/N/S/E/W) or a single point.

Enter information about temporal coverage. Temporal coverage can be specified as a single point in time, multiple points in time, or a range thereof.

Enter method step description. Method steps describe a single step in the implementation of a methodology for an experiment. Include method title, method description and instrumentation.

Study extent description. Describe the temporal, spatial and taxonomic extent of the study. This information supplements the coverage information you may have provided.

Sampling description: Describe the sampling design of the study. For example, you might describe the way in which treatments were assigned to sampling units.



Background / Audience

- ❖ Discipline - Agricultural and Biological Engineering
- ❖ Data types - field data, modeling data, and remote sensing data
- ❖ Context - a joint hydrology research group

Educational Priorities / Needs

- ❖ File organization and data completeness
- ❖ Adherence to research group standards
- ❖ Data description for sharing and re-use
- ❖ Data storage



Data Archiving Checklists REMOTE SENSING DATA

- ❖ Remote sensing platform(s) and sensor(s) used, and status
Platform/sensor/status:
Platform/sensor/status:
Platform/sensor/status:

- ❖ Raw remote sensing files (DNs)
DN File:
DN File:
DN File:

- ❖ Atmospheric conditions, including radiosonde or other vertical profile data, output from data assimilation models, weather maps - collect all available data
Notes:

- ❖ All files/information required to georegister imagery
Files stored:
Files stored:
Files stored:

- ❖ Radiance files, not georegistered
Files stored:
Files stored:

- ❖ Radiance files, georegistered
Files stored:
Files stored:

- ❖ Final imagery analysis products
Files stored:
Files stored:

- ❖ Documentation of all steps taken in processing remote sensing images to final form
Atmospheric corrections
Emissivity corrections
Georegistration process
Classification or Analysis methods

- ❖ Associated Field Observation Data?
Notes:

- ❖ Associated Simulation Data?
Notes: