Legal and Licensing Aspects of Repositories in the NRP

Daniel Mikšík

Repositories in the NRP – Terms of Service

- NRP Operator = CESNET, z.s.p.o.

- Repository Founder
  - A. Individuals
    - A repository can be established by a natural person who represents an expert group with the need for a domain-specific repository.
  - B. Individuals under the auspices of the organization
    - The organization enters into a framework agreement with the NRP operator, which allows members of the organization to apply for the establishment of a repository with institutional backing.
  - C. Organization
    - The repository is set up directly by the institutions on the basis of a contract with the NRP operator. Other partner organizations can also participate in the operation.

Repositories in the NRP – Terms of Service

- Repository Administrator role must be established
- NRP guaranteed service level = best effort
  - "The NRP Operator makes every effort to guarantee the availability and security of data services and the preservation and security of data."
  - state-of-the-art technologies for repository operation are used
    - protection of stored data
    - access to stored data
    - hardware redundance
    - security policies
    - hardware suppliers' support
  - hardware housed in the Czech Republic

Repositories in the NRP – Terms of Service

- NRP is intended for building repositories with long-term data storage
- Only repositories of FAIR research data can be established in the NRP
- *Repositories in the NRP ToS* is rather general; details on operating the individual repositories are expected to be covered by the repositories' policies
- Policies of the respective repositories must comply with the *Repositories in the NRP ToS* and the *Conditions for Creating New and Modifying Existing Domain Repositories*

# Is the "ToS" document clear & understandable?

Questions and Comments

Conditions for Creating New and Modifying Existing Domain Repositories

- www.eosc.cz/sluzby/ukladani/repozitare-v-nrp
- "A repository is the technical, personal, and procedural provision of a long-term storage for the preservation and publication of citable digital objects."
  - digital objects = data and metadata
  - citable = clear identification (PIDs) + guarantee of immutability (policies)
  - publication = (selected) metadata always public, data as open as possible
  - long-term = specified in the repository policies
  - technical = this is what NRP takes care of
  - personal and procedural = this is what the user community primarily provides

Conditions for Creating New and Modifying Existing Domain Repositories

- Basic scenarios
  - Establishing a Repository Using the Core Repository Systems
  - Establishing a Repository Operated on NRP Resources Without Using the Core Repository Systems
  - Integration of an Existing Independently Operated Repository into the NRP/National Data Infrastructure (NDI)

Repo Builders Workshop
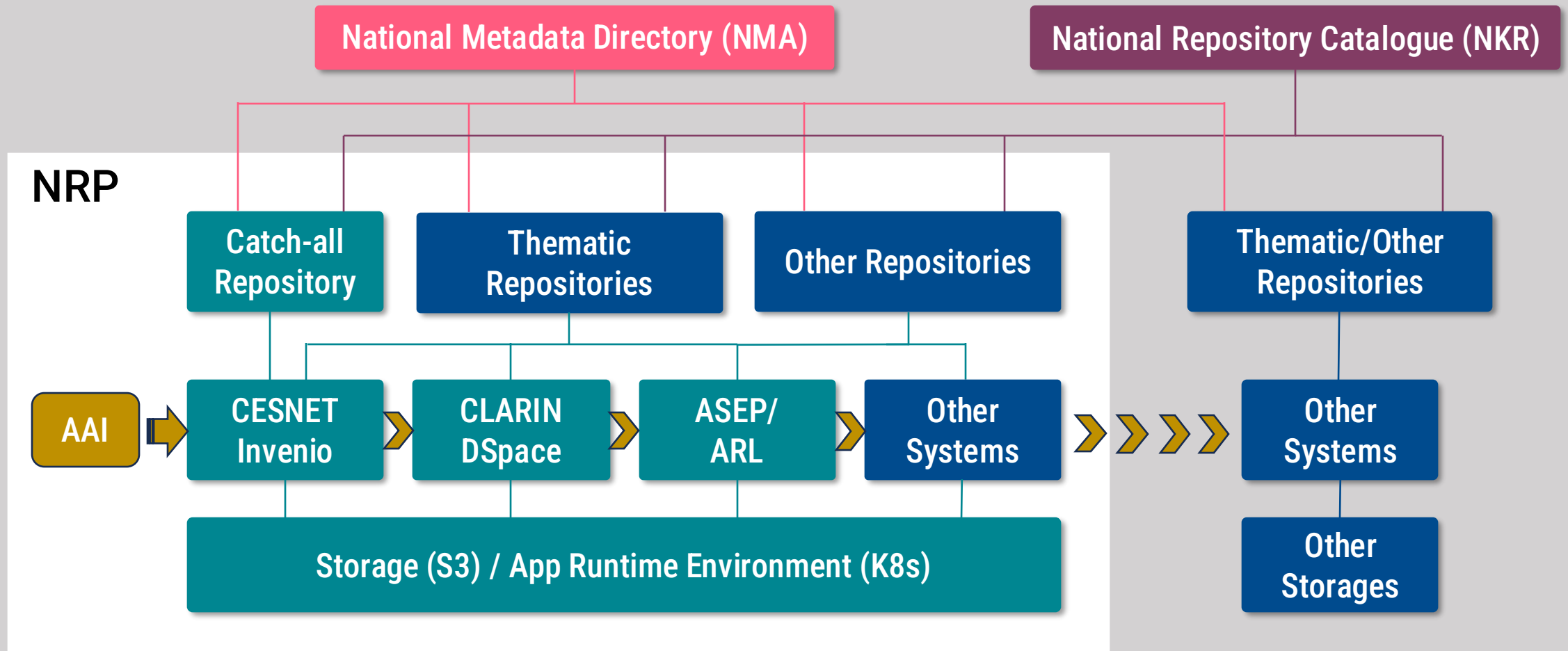
Roles – infrastructure

- NRP Operator (Provozovatel NRP)
  - responsible for operating the NRP as a whole
  - issues the Repository in the NRP ToS
  - contract party for the Repository Founder
- Repository System Provider (Provozovatel repozitářového systému)
  - CESNET Invenio, CLARIN DSpace, ASEP/ARL teams
  - reports to the NRP Operator
  - communicates directly with the repository system specialists
- Repository system specialists (metodici repozitářových systémů)
  - primary point of contact for everybody seeking to establish a repository
  - communicate with repo system providers and the NRP Operator
  - guide the user community through the process of establishing/integrating their repository in/to the NRP

Roles – Repository Founder
Zřizovatel

- person/organization requesting repository's establishment
  - contract party for the NRP Operator with organization-established repositories
- guarantees that repository policies are defined and published
- designates the Repository Administrator
- deals with issues escalated by the Repository Administrator and/or NRP Operator
- reports potential security breaches to the NRP Operator
- can request termination of their repository

Roles – Repository Administrator
Správce repozitáře

- must be designated by the Repository Founder
  - in repositories for individuals, the Founder is automatically the Administrator, too
- must be available throughout the entire lifecycle of the repository
- has primary responsibility for the data stored in the repository
- can restrict repository access to users
  - with compromised logon credentials
  - breaching the ToS or *Conditions*
- primary contact for the NRP Operator
  - configuration of the repository
  - operational events of the repository systems or the entire NRP (e.g. updates, outages, etc.)
- designates other roles in the repository (e.g. data curator)

Roles – Repository Administrator
Správce repozitáře

- repository configuration **using** the core repository systems
  - metadata profiles available in the repository
  - list of licences available in the data deposition process
  - deposition and data access workflows
  - roles of user groups in the repository, linking to AAI
  - user documentation for the repository
  - repository policy, especially the conditions of record immutability
  - end-user support
  - hand over records' metadata to NMA/repository config to NKR

Roles – Repository Administrator
Správce repozitáře

- repository configuration **without** using the core repository systems
  - all of the above, and the following
  - installation and operation of the repository and the appropriate sw infrastructure
  - implementing the assignment of persistent identifiers
  - technical configuration for metadata harvesting into the NMA
  - technically configuring the workflow for data deposition and data access control
  - configuring technical integrations with the NRP AAI
  - user support for end-users at all levels, from L1 to L3
  - secure logging of repository systems into the NRP's central logging system
  - operational monitoring

Is the "Conditions" document clear & understandable?

What do you find most challenging about building your repository?

Questions and Comments

Deposit Licence
Depoziční licence

- every depositor/submitter
  - declares they are authorized to deposit their dataset in the repository
  - grants a licence to the repository Administrator to use the dataset, in particular the right to
    - reproduce the dataset and its content,
    - communicate it to the public,
    - store it
  - solely for the purpose of permanent storage and making the dataset available in the Repository

- NRP deposit licence agreement templates are available

User Licences

Licence pro koncové uživatele

- Czech Core Metadata Model (CCMM) requires that a licence to use the dataset (user license) is assigned to datasets in NRP repositories (`terms_of_use` attribute)

- for now, there is no NRP "license vocabulary", i.e. every repository can have
  - its own list of recommended licenses
  - option for adding specific licenses by the submitters/depositors

- having a controlled NRP licence vocabulary has been raised as an issue at the CCMM-controlled-vocab GitHub repository

What type of user licences do you plan to use in your repository?