

# Intrallect six-stage model and licence expression languages

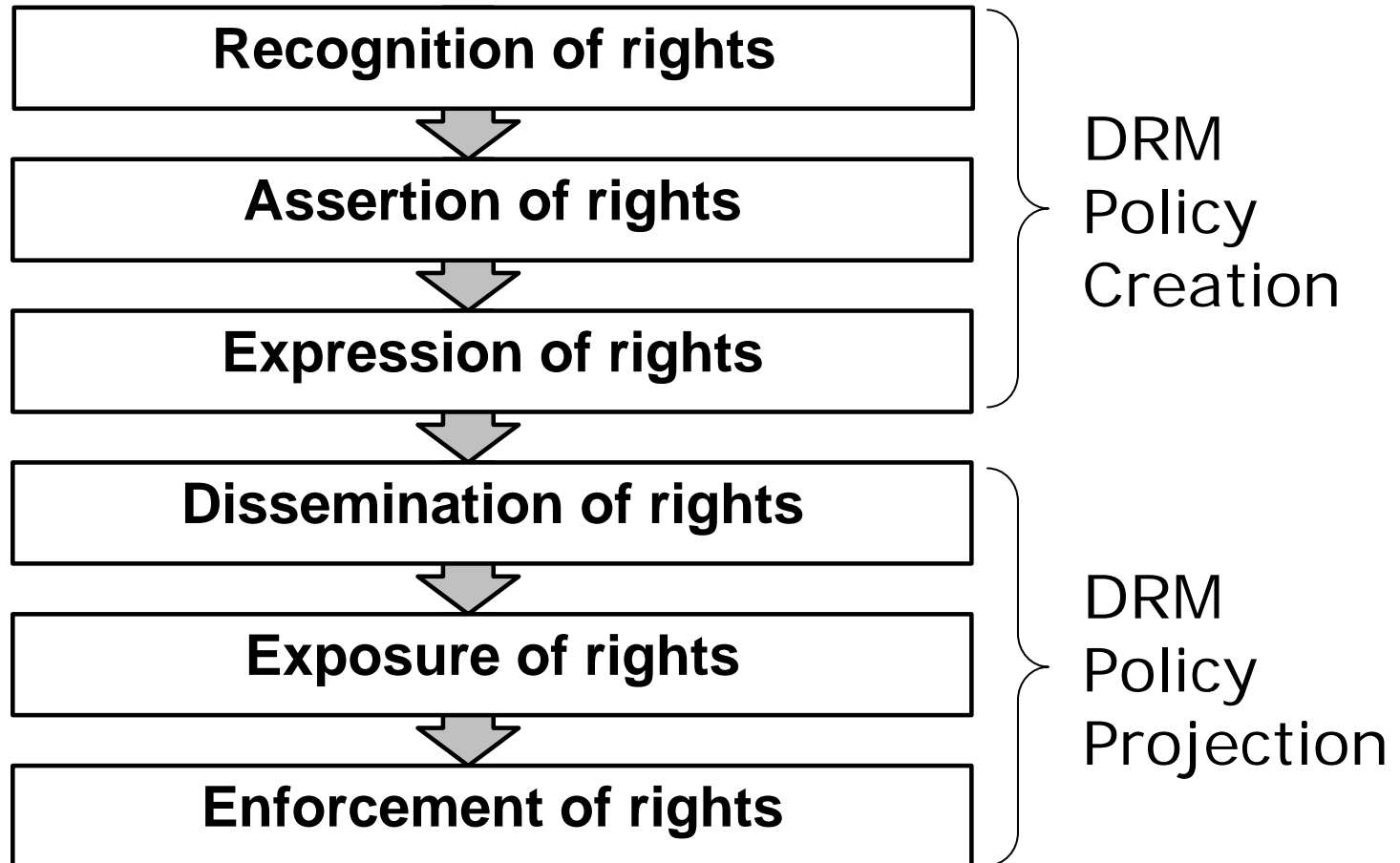
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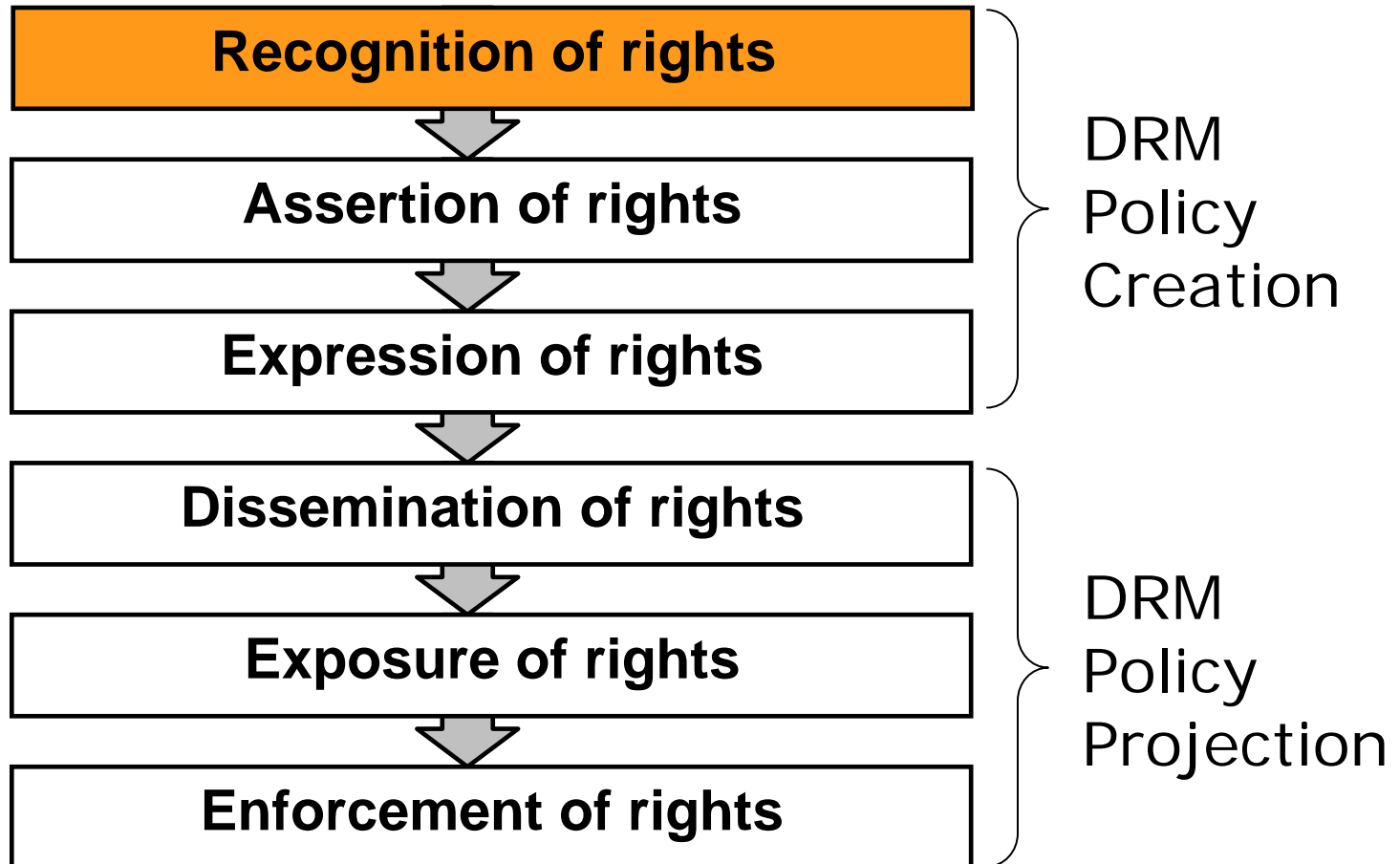
# Background

- Based on Digital Rights Management (DRM) study for JISC carried out in 2004
- Useful for anyone beginning to address Intellectual Property Rights (IPR) issues on any digital repository content
- Offers a framework for action
- Raises issues over propagating rights information

# Six-stage model



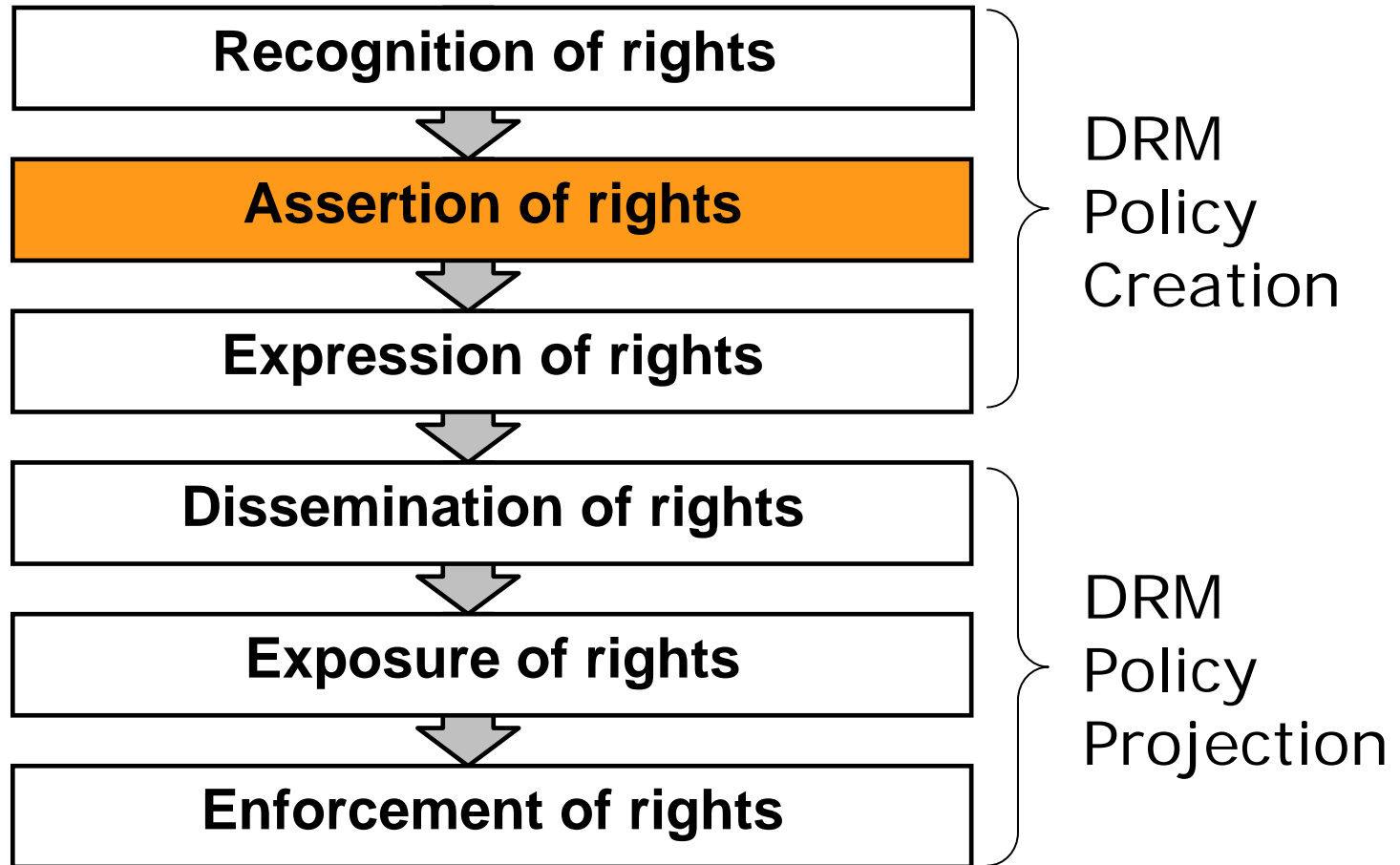
# Recognition of rights



# Who, Which, Uses

- staff, employers and suppliers (e.g. publishers) all need to be aware of **who** the rights holders are,
- **which** rights are concerned (e.g. copyright and moral rights)
- extent to which some rights might be relaxed to permit certain **uses**  
“All rights reserved” v. “Some rights reserved”

# Assertion of rights



# Legal framework

- a legal framework in which rights holders can assert their rights in a form that is defensible under law
- Copyright - automatic
- Moral rights - should be asserted
- Permitted uses - requires licences

# Licences

- Permitted uses and exclusions
- Get a lawyer to draw up a licence
- Use an existing licence
  - JISC model licences
  - Creative Commons licences
  - GPL (General Public Licences)

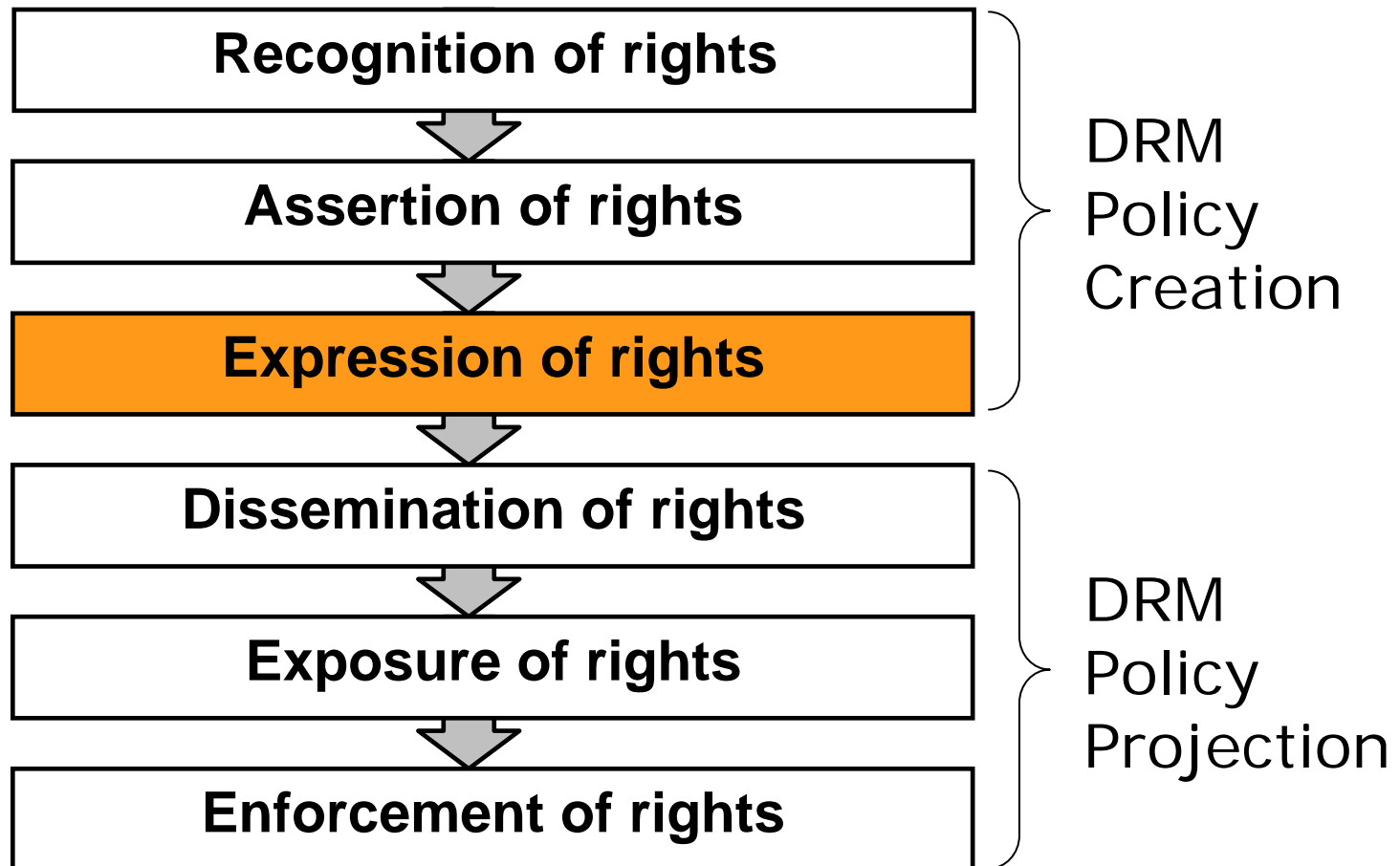
# Permitted uses

- Render/Usage
  - display, print, play, execute
- Derivative/Reuse
  - modify/edit, excerpt/extract, annotate, aggregate/embed
- Transport/Transfer
  - sell, lend/loan, give, lease, move/transfer, duplicate/copy
- Utility/Asset management
  - backup, install, delete, verify, restore, uninstall, save/export

# Constraints

- Location - geographic (e.g. UK only, .ac.uk domain only)
- Duration - time-limited
- Type of user - teachers, students, medics, ...
- Number of users
- Non-commercial only/ Education only
- Attribute - e.g. image resolution, file format
- Sharealike - when redistribution is permitted

# Expression of rights



# Statements

- Copyright or licence statement
- Link between digital object and statement
- Format of statement:
  - Human readable
  - Lawyer readable
  - Machine readable (rights expression languages)

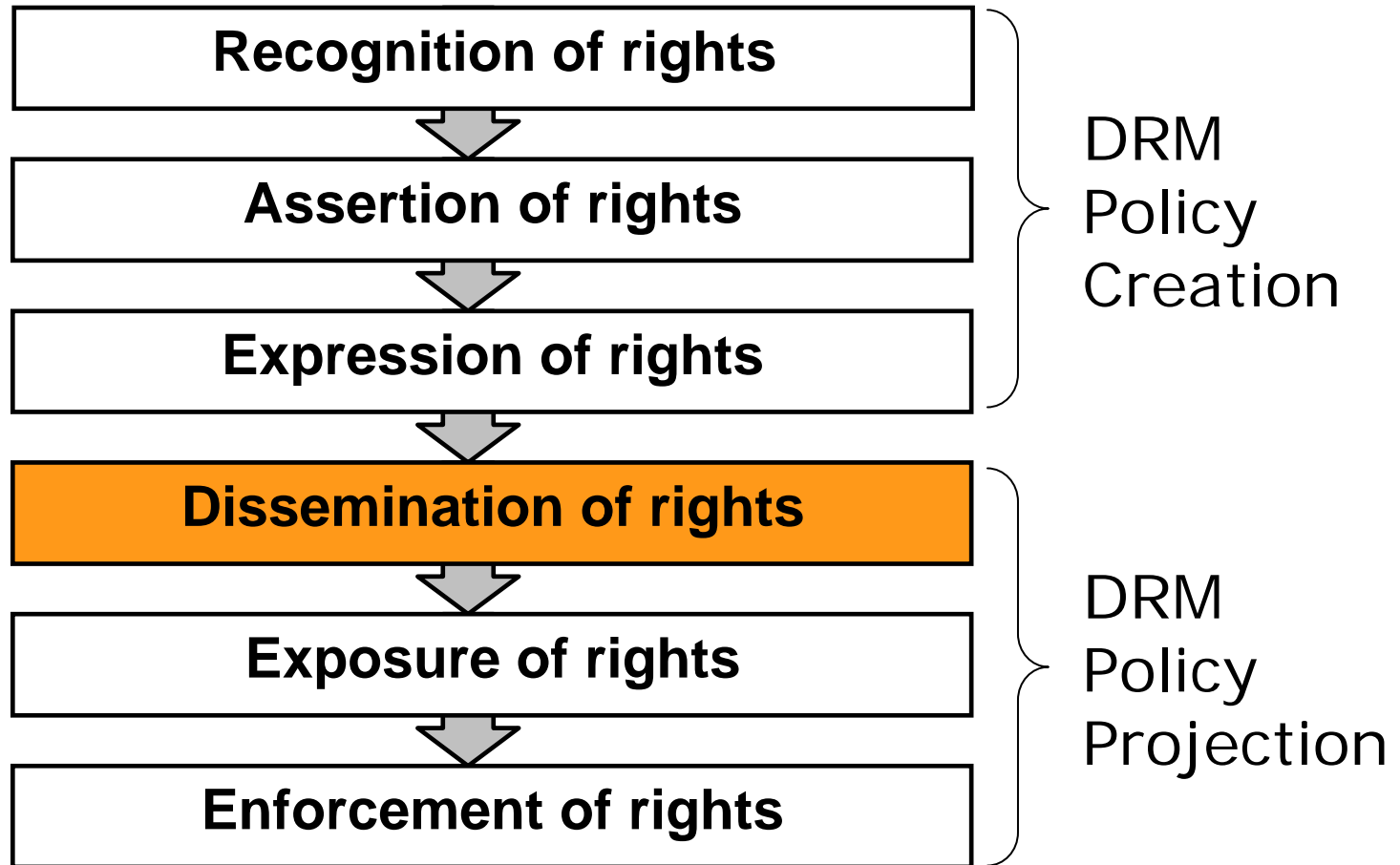
# Digital Rights Expression Languages

- Digital Rights Expression Languages (DREs)
- Examples
  - XrML (eXtensible rights Markup Language)
  - ISO REL (based on XrML)
  - ODRL (Open Digital Rights Language)
  - METSRights (Metadata Encoding Transmission Standard)
- Benefits
  - Machine readable/searchable
  - Common basis on which to compare licences
  - Can be embedded with digital objects

# End of DRM Policy Creation

- Primarily internal decisions completed
- DRM Policy projection is mostly about external considerations

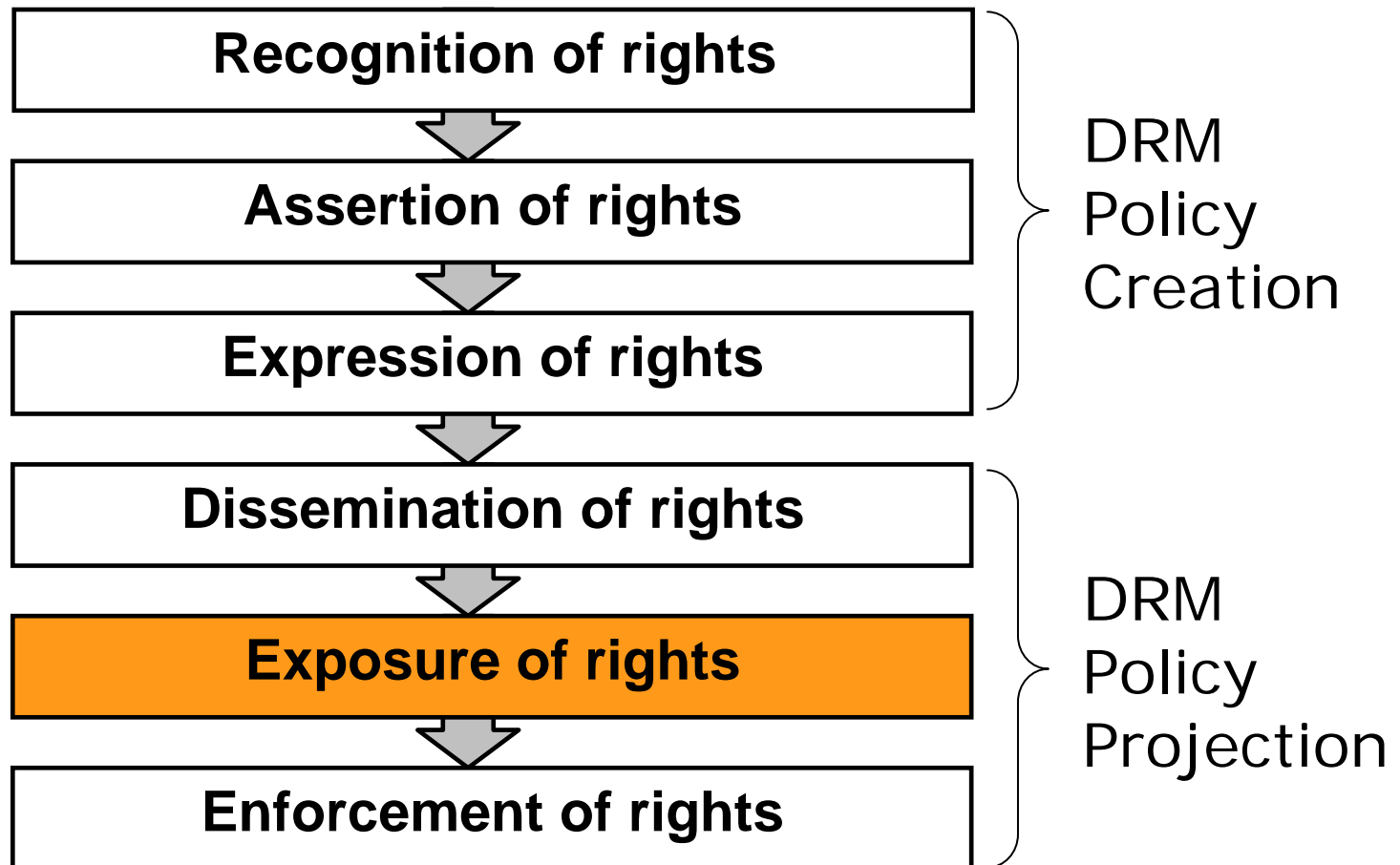
# Dissemination of rights



# Searchable rights

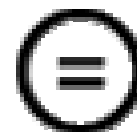
- Repositories make information about their digital objects searchable by making the metadata searchable (SRU/SRW) and harvestable (OAI-PMH)
- Expose rights information through these searchable mechanisms
- Expose rights information to search engines (currently only Creative Commons recognised)

# Exposure of rights

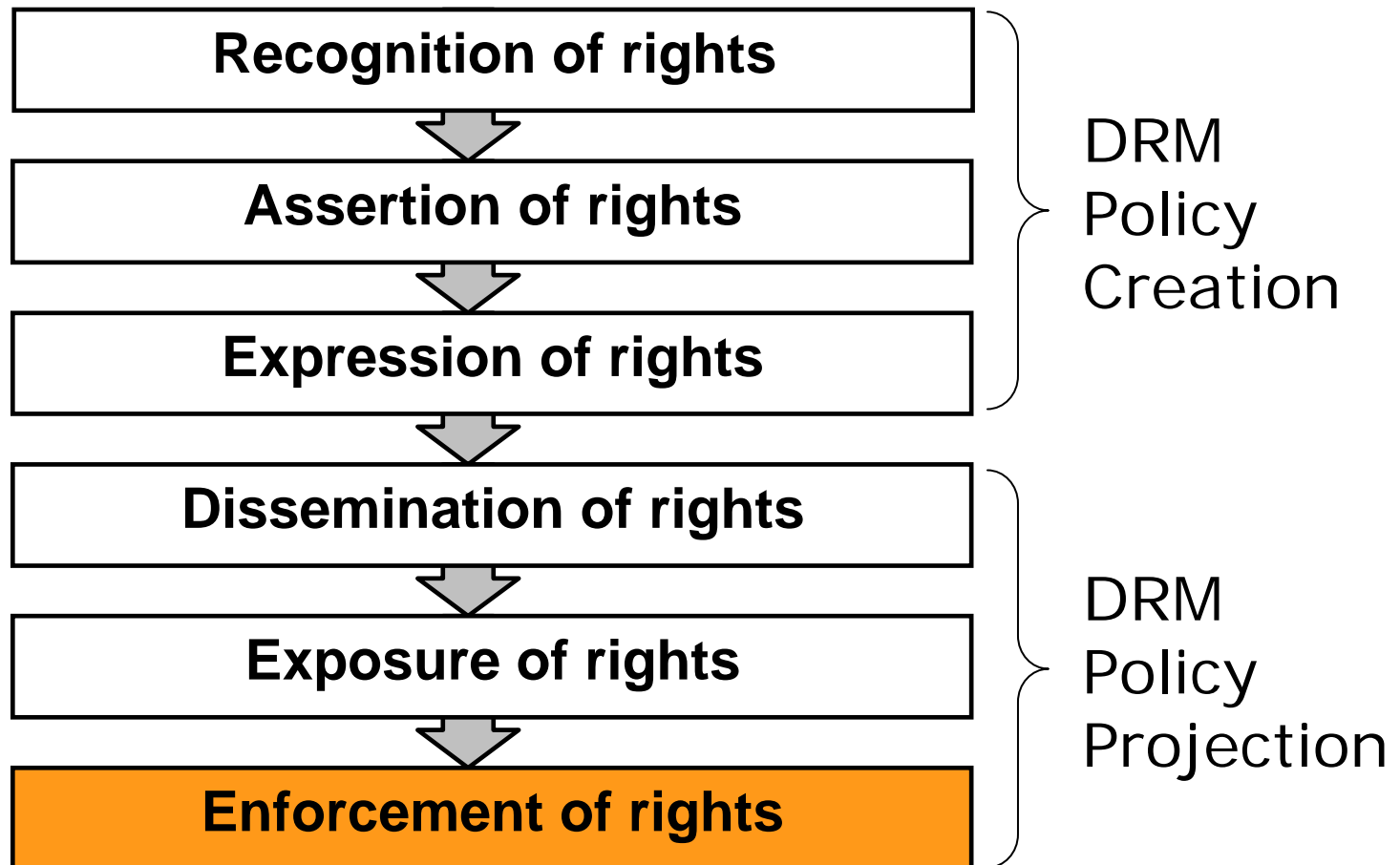


# Recognising rights

- Usable at the point of discovery?
- Can you immediately recognise what rights are permitted:
  - By reading a licence agreement (?)
  - By recognising the name of the licence and knowing its conditions (common licences)
  - By recognising symbols that are widely used



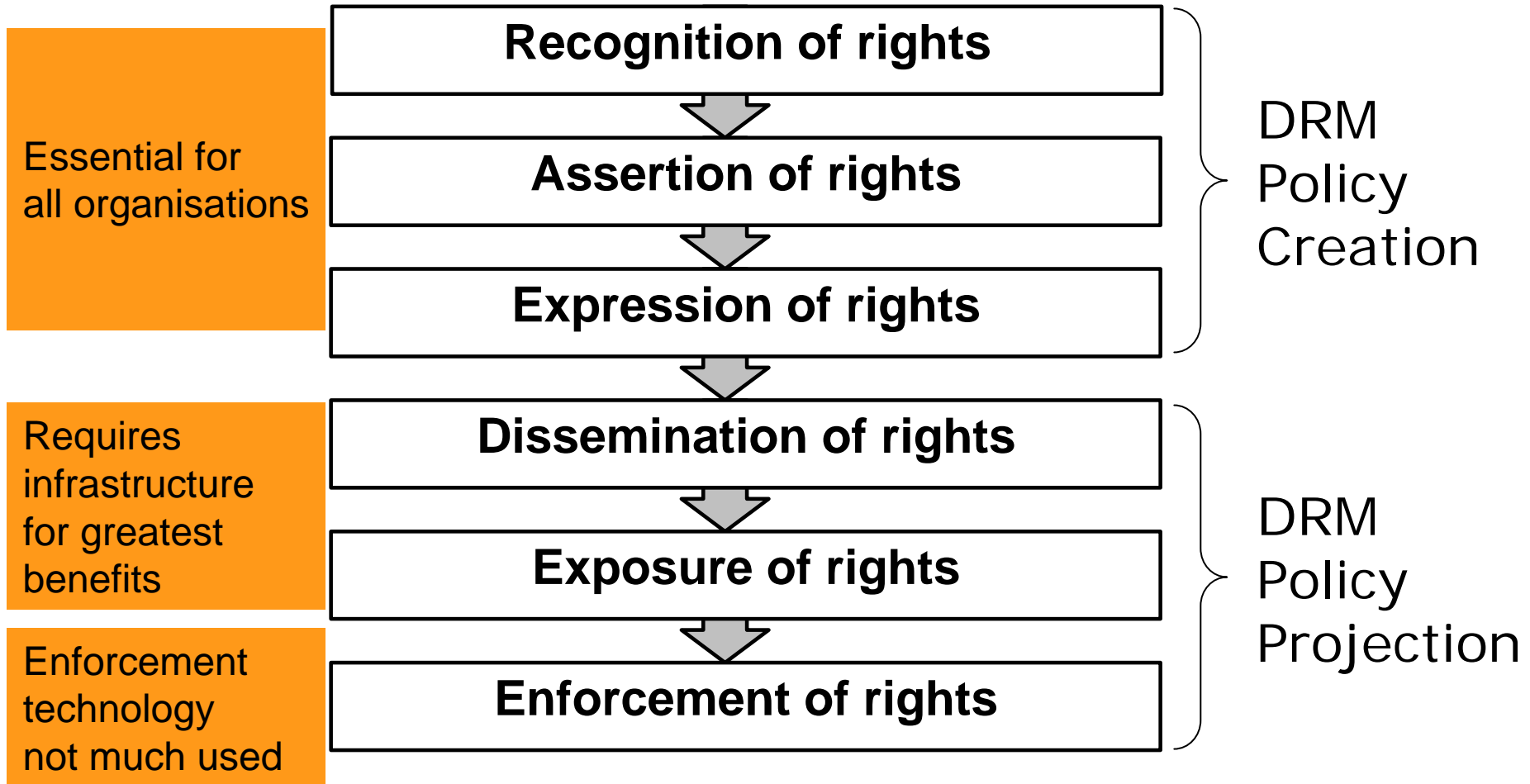
# Enforcement of rights



# Enforcement

- **Enforcement of rights** includes both protective measures to ensure that rights are not infringed and steps to be taken when infringements are detected.
- Authentication/authorisation
- Licence agreement (click-through or written)
- Maintain object-licence link (e.g watermark)
- Legal protection as for copyright
- Technological protection measures (expensive)

# Summing up



# Useful References

- JISC DRM Study and appendices  
[www.intrallect.com/drm-study/](http://www.intrallect.com/drm-study/)
- HEFCE IPR in e-Learning  
[www.hefce.ac.uk/pubs/hefce/2006/06\\_20/](http://www.hefce.ac.uk/pubs/hefce/2006/06_20/)
- Creative Commons as a Licensing Solution  
[www.intrallect.com/cie-study/](http://www.intrallect.com/cie-study/)
- JISC Legal - Publications  
[www.jisclegal.ac.uk](http://www.jisclegal.ac.uk)
- Digital Rights Expression Languages  
[www.jisc.ac.uk/uploaded\\_documents/TSW0603.pdf](http://www.jisc.ac.uk/uploaded_documents/TSW0603.pdf)