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**Capacity Building and Knowledge Transfer
for UN-GGIM ***

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Capacity Building and Knowledge Transfer for UN-GGIM

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Outline

- Capacity Building
 - Definition, Scope, and Activities
- Capacity Building for GI Management
 - Training
 - Knowledge Sharing
 - Research
- Issues
- Recommendations

Capacity Building (or Development)

- Definition from UNDP

- the process by which individuals, organizations, institutions and societies develop abilities to perform functions, solve problems and set and achieve objectives.
- a long-term continual process of development that involves all stakeholders; including ministries, local authorities, non-governmental organizations, professionals, community members, academics and more.

Scope of Capacity Building

- human resources development and strengthening of managerial systems.
- institutional development, including community participation (of women in particular), and
- creation of an enabling environment with appropriate policy and legal frameworks,

Much more than Training

- human resource development
 - Skill, access to information, and knowledge
- organizational development
- institutional and legal framework development

Three + One Levels of Capacity

- **individual level** - development of existing knowledge and skills and to engage in the process of learning and adapting to change
- **institutional level** - aiding pre-existing institutions in forming sound policies, organizational structures, and effective methods of management and revenue control.
- **societal level** - supporting the establishment of a more interactive public administration that is responsive and accountable.

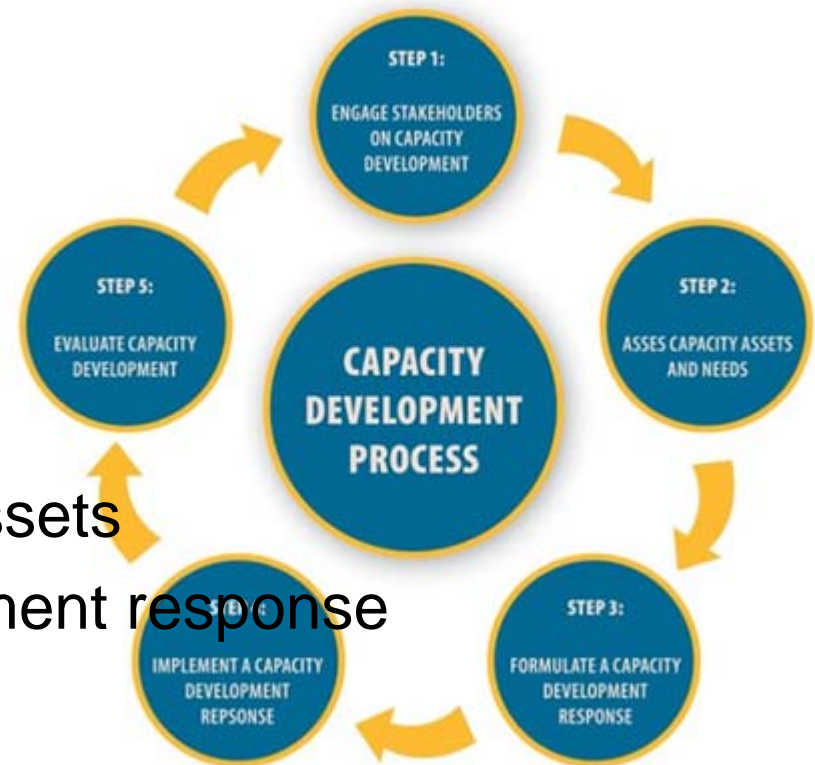
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UN CE on Public Admin. (2006) - Definition of basic concepts and terminologies in governance and public administration

- **global level** - promoting international cooperation to overcome global challenges such as climate change, natural disaster, pandemics, etc.

Five-Step Process - UNDP Approach

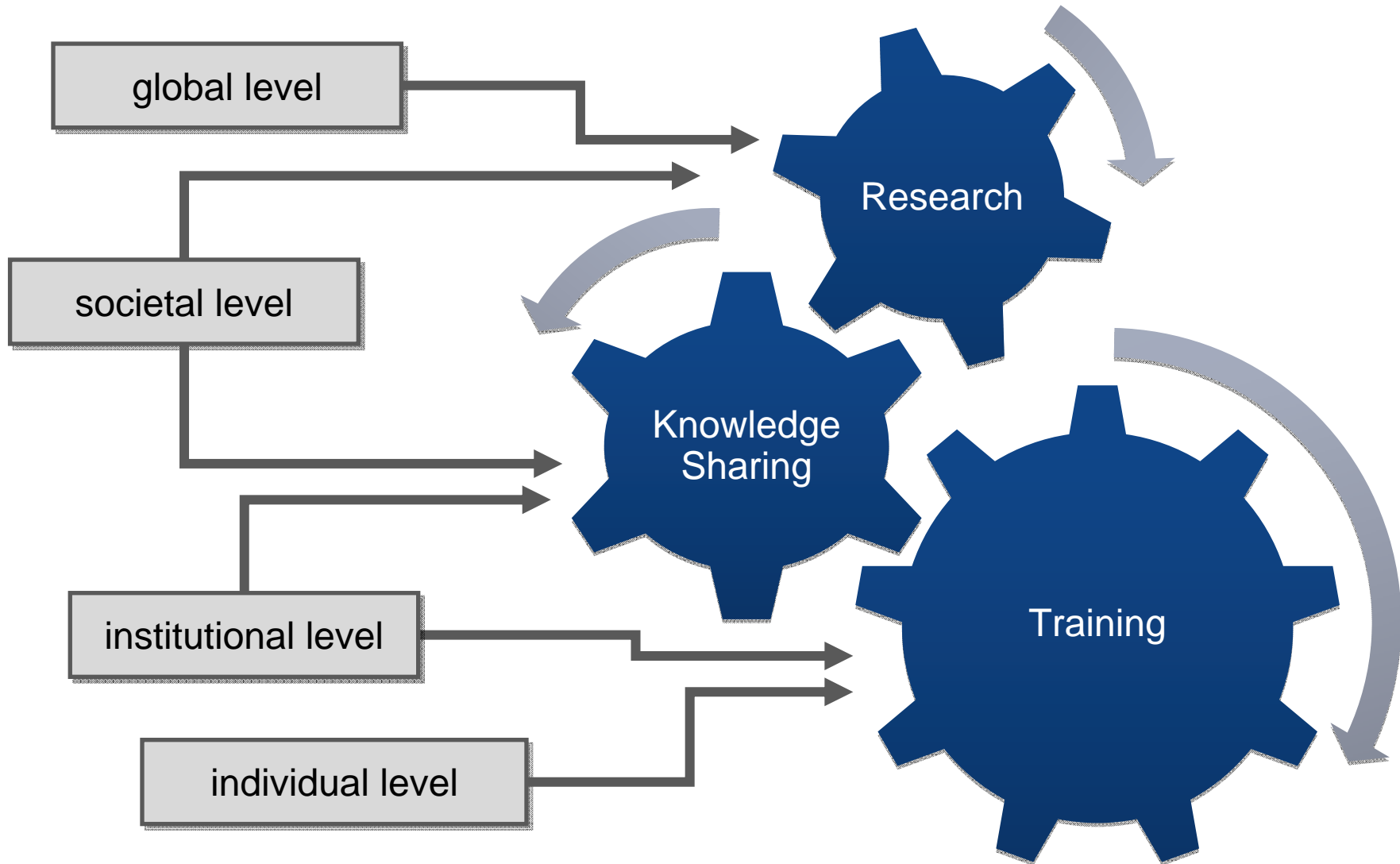
- engage stakeholders
- assess capacity needs and assets
- formulate a capacity development response
 - Institutional arrangement
 - Leadership
 - Knowledge
 - Accountability
- implement a capacity development response
- evaluate capacity development



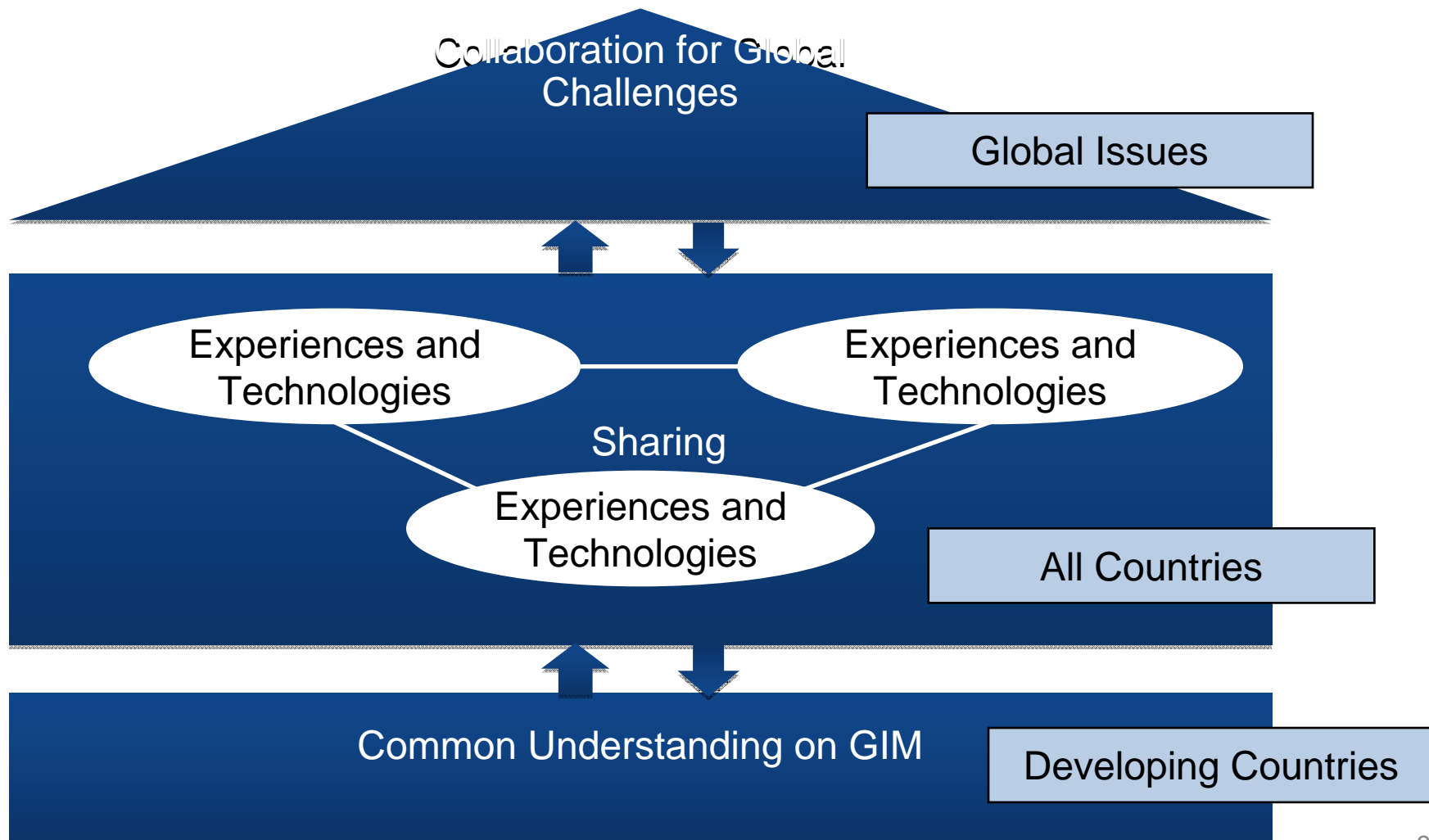
The UNDP Capacity Development Process

UNDP (2008) – Practical Notes on Capacity Development, http://content.undp.org/go/cms-service/download/asset/?asset_id=1654154

Three Gears of GI Capacity



Three Building Blocks: Training, Knowledge Sharing & Research



Training

- goal: to setup a basis of common understanding on how to use and maintain GI
- training types
 - individual training vs. institutional training
 - tailored training vs. general training
- training scope
 - technical topics covering the entire lifecycle of GI from building GI to application development
 - organization, laws, policies
- resource
 - developing courseware, trainers, and facilities

Knowledge Sharing

- goal: to provide a networking infrastructure between countries to share knowledge and experiences on SDI and application of GI
- Capacity-Net project of UNDP
 - provides a platform for development practitioners and experts interested in exchanging resources and experiences, and discussing key issues
 - more than 1400 members in 2007
- international standards: ISO/TC211, OGC, etc.
- open source software and crowd source information
- Global Map
- control tower

Research

- goal: to promote collaboration for dealing with global issues such as climate changes
- need for establishment of research initiatives

Issues

- resources
 - for training, knowledge sharing, and research
 - control tower
- demand analysis and strategy
 - for wide spectrum of cases
 - capacity building strategy for each case
 - global capacity
- technical issues
 - vendor-neutral strategy and open source software
 - Global Map and crowd sourcing (or VGI)

Recommendations

- To form a working group in CoE for dealing with capacity building and knowledge transfer