



IWRM Proficiency Certification

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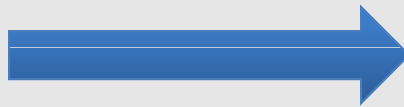
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IWRM and the Network of Asian River Basin Organizations (NARBO)

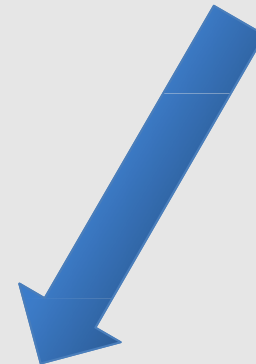
- Promotes IWRM good practice, capacity building and training
- Knowledge exchange
- Supporting River Basin Organisations (RBO)

What makes IWRM a success?

River Basin
Planning



Implementation



Monitoring & Reporting

Criteria for effective basin management, e.g. Mekong River Basin commission and EU Water Framework Directive

- Data acquisition, exchange and monitoring
- Analysis, modeling and assessment
- Multi-sector and administration planning
- Forecasting, warning, emergency response
- Implementing procedures
- Dialogue and coordination.
- Reporting and dissemination
- Responsibility/accountability -e.g Competent Authorities



The River Basin Plan

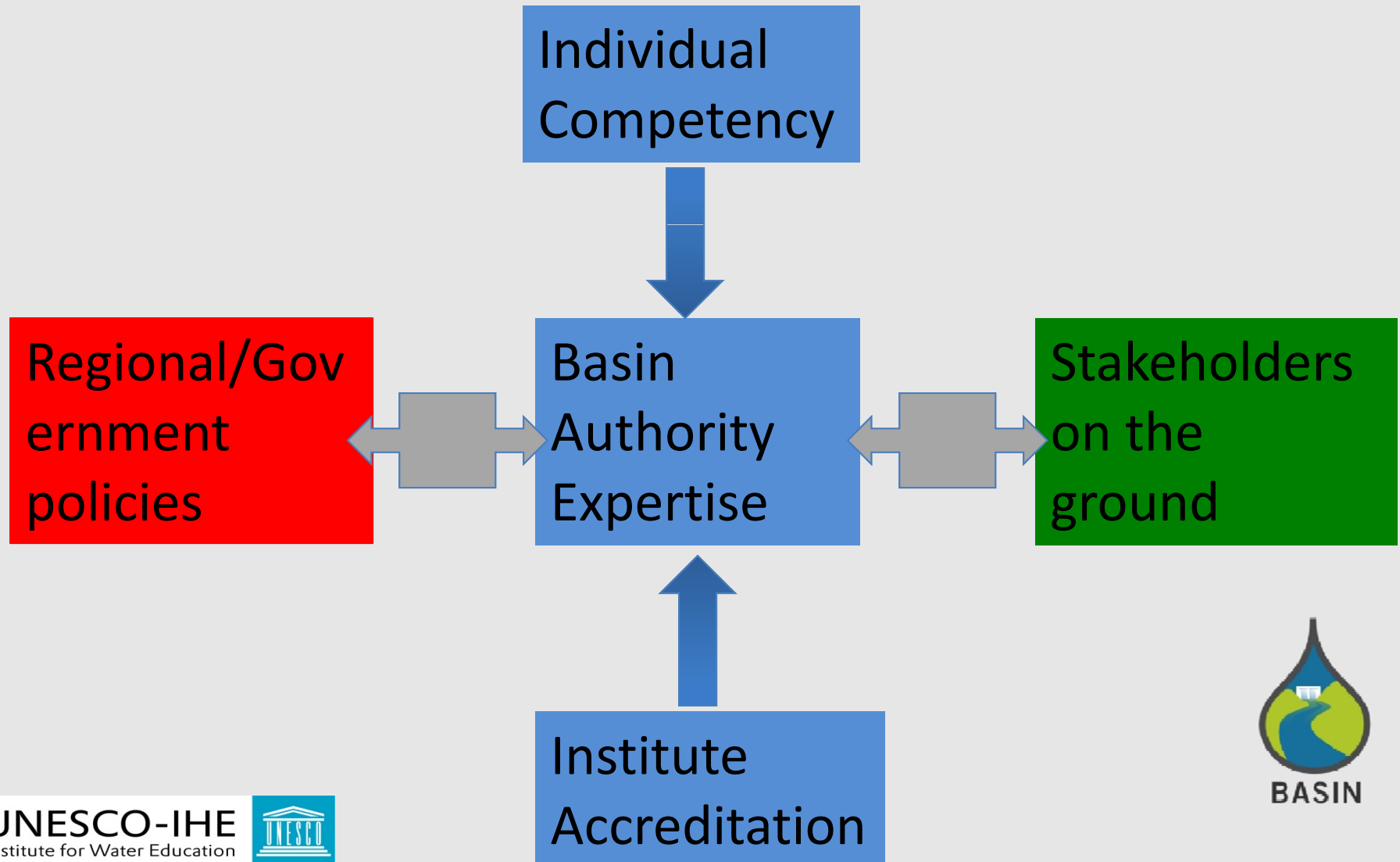


ADB/IHE Project deliverables

- A framework for IWRM proficiency certification for individuals and accreditation for IWRM organisations
- Pilot to support Advanced Centre-IWRM, Karnataka, India
- A road map for supporting ADB/NARBO in scaling up the experiences of the pilot
- Recommendations for certification procedures and global standard setting



Effecting Management and change



Certification and accreditation supporting IWRM

Implementing IWRM

Technical expertise
Policy and institutional awareness.
Planning and management skills

Certification

Confirmation of certain characteristics of an object, person, or organization
External review, education, assessment, audit

Accreditation

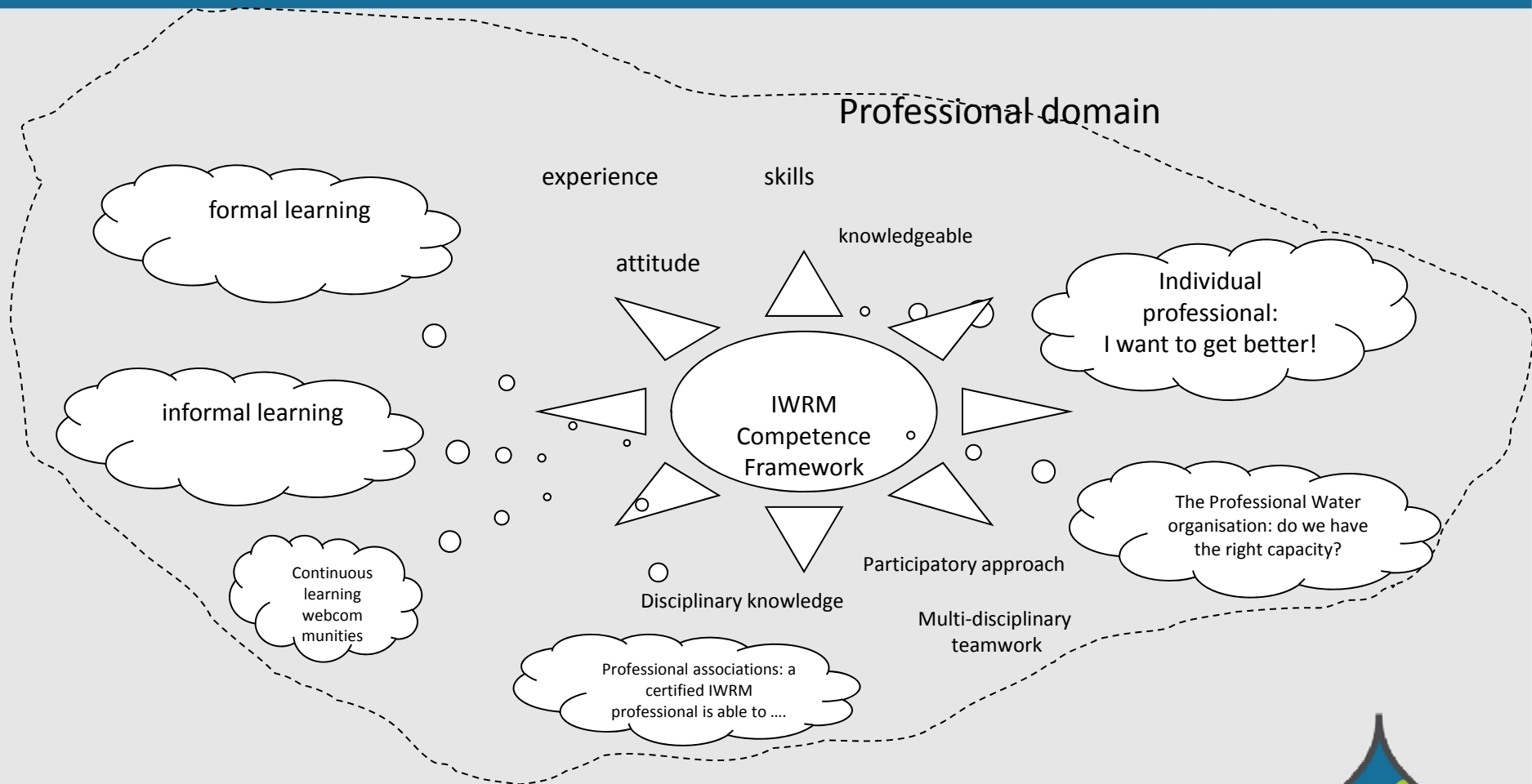
Formal and independent decision that an institution/programme meets agreed quality standards

Following international Standards Approach

- Environmental Management Systems
 - E.g EMAS, ISO 14001
- Development of international accreditation system.
 - EN ISO/IEC 17000:2004 defines accreditation as:
“Third-party attestation related to a conformity assessment body conveying formal demonstration of its competence to carry out specific conformity assessment tasks”.

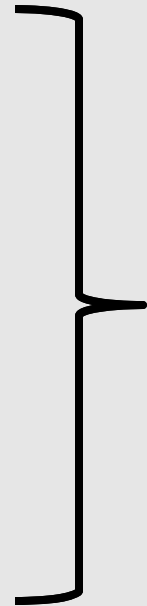


IWRM individual certification evokes ...



Individual IWRM Competency Profiles

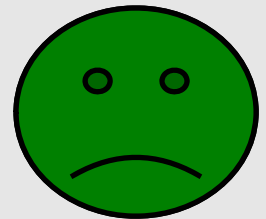
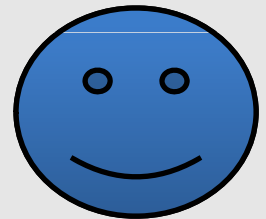
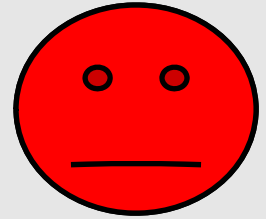
- Knowledge
- Experience
- Skills and attitude



Certification

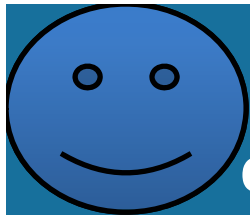
Levels example

- Advocate
- Facilitator
- Leader
- Counselor



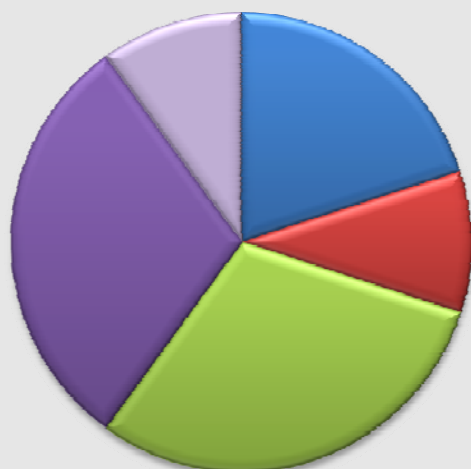
Continuous development
professional competence





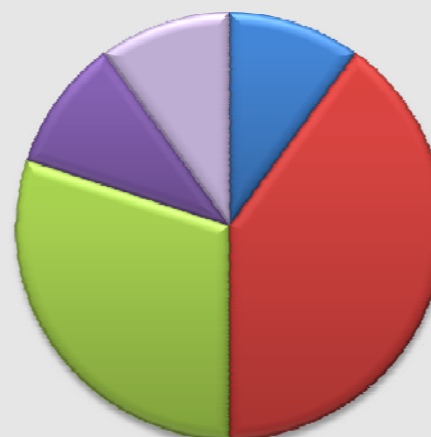
Examples of developing a mix of professional competencies required for each IWRM-related position

Executives/leaders



- IWRM knowledge competence
- Thematic knowledge competence
- Functional competence
- Personal competence
- Value/ ethical competence

'Thematic/sectoral' professionals



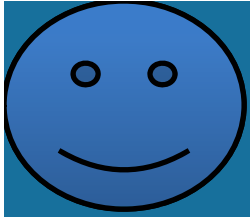
- IWRM knowledge competence
- Thematic knowledge competence
- Functional competence
- Personal competence
- Value/ ethical competence

'Integrative' professionals



- IWRM knowledge competence
- Thematic knowledge competence
- Functional competence
- Personal competence
- Value/ ethical competence

IWRM knowledge competences are key to integration, team work and bridging and aligning between sectors, themes and disciplines.



IWRM learning modalities

- IWRM cannot be learned only in class-room.
- A mix of learning modalities is required which allow water professionals to learn, understand and practice IWRM.

Explicit knowledge

- Self learning
- Class room / online teaching (short courses, degree)
- Conferences and seminars
- Research programmes

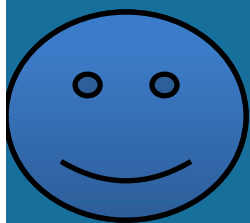


Tacit knowledge

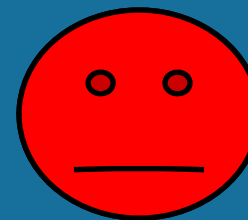
- Learning by doing
- Coaching and mentoring
- Experiential learning
- Exposure to good practice
- Working groups

Course Learning Objectives
Practitioner outcomes/reflection
Individual portfolio to building credits





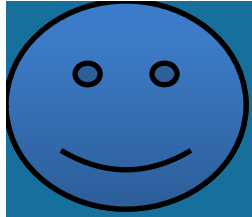
Pilot



- *Advanced Centre for IWRM (AC-IWRM) in Karnataka, India*

- *Set up 2011-12*
- *Possible key issues include*
 - *Groundwater supply and recharge*
 - *Sustainable irrigation*
 - *Sector and regional governance integration (RBM)*
 - *Sanitation and waste recycling*
 - *Competing demands*
 - *Ecological awareness*
 - *Participatory approaches*

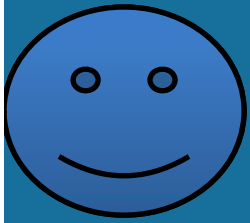




Benefits

- Certification confirms meeting require standard
- Accreditation ensures independence and competence
- Supports confidence in implementing and financing catchment management programmes
- Supports NARBO in IWRM proficiency
- Rolling out a NARBO IWRM proficiency certification/accreditation service across the region
- Costs and Quality Assurance





Proposed time frame

- Familiarization with NARBO's IWRM proficiency approach, and proposed ADB-financed IWRM investment project in Karnataka, India
- International examples for best practice
- Liaison with and mission to AC-Karnataka,
- Recommendations for gaining credits, indicative time for that, and formal procedures for certification
- Developing accreditation process
- Outline of draft process at NARBO general meeting, May 2013
- Reporting and recommendations for longer term process

March 2013



July 2013



Discussion and Feedback

