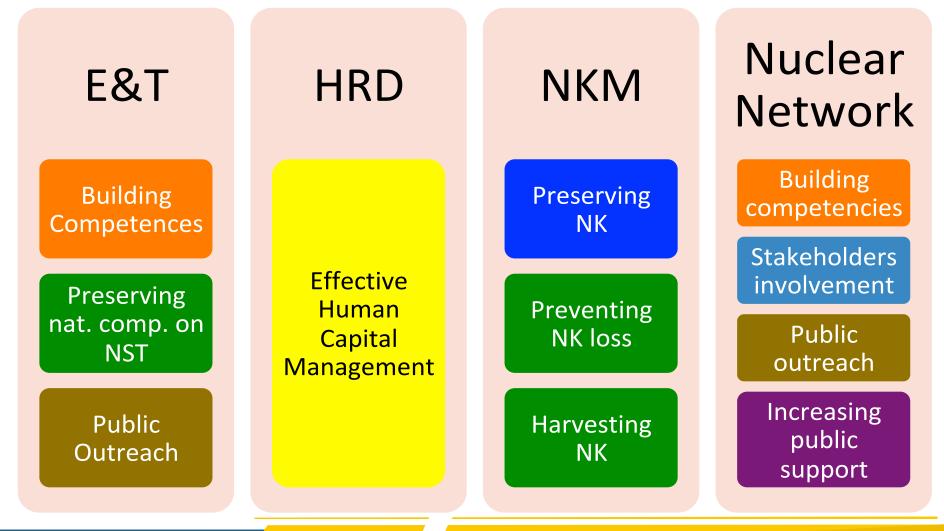
INPLEMENTATION OF NUCLEAR KNOWLEDGE MANAGEMENT IN BATAN

Sudi Ariyanto ANSN ETTG Meeting Jakarta, June 2018 batan MENGABDI UNTUK NEGERI

WHY WE IMPLEMENT NKM?



www.batan.go.id

Based on the IAEA concept on capacity building





We realize....

A prerequisite for continuous sustainability of nuclear science and technology

Future nuclear technologies, research, development, and applications depend on knowledge management and transfer



WHAT ARE OUR OBJECTIVES?

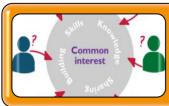




Increasing the capability in managing intellectual assets (Knowledge and Experience)



Attaining a strong and superior nuclear knowledge- based learning organization;



Making the nuclear knowledge and "knowhow" visible and interchangeable



Transfering nuclear knowledge and knowhow between current and future generations

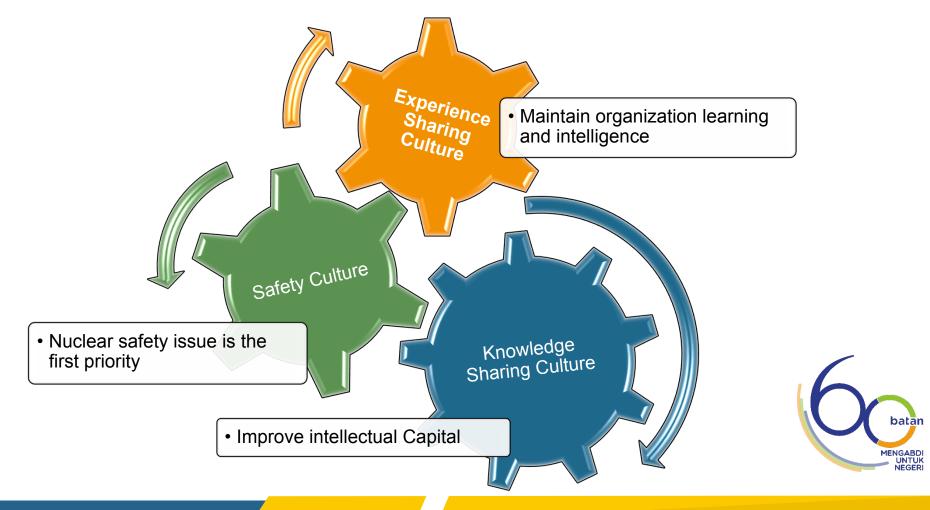


Stimullating young generation interests









WHAT INFRASTRUCTURES WE HAVE?





Center for Education and Training



Research Centers



Exhibition Center



Website: BATAN & Centers







INTERNAL CHALLENGES

Extensive Attrition

Ageing of Workforce

Brain Drain

Knowledge gap

STRATEGIES

Maintaining and preserving the existing nuclear knowledge

Encouraging nuclear knowledge sharing

Developing effective and innovative training program

Accelerating the learning of the junior staffs

UNTU





EXTERNAL CHALLENGES

declining interest in the wide scale use of nuclear energy.

decreasing of young generation interest in nuclear technology

decreasing of potential application of nuclear techniques in Industry, medicine, agriculture etc

STRATEGIES

Dissemination of Information

NST Competition for Students

On the Job Training for Students

Special course on Nuclear Technology & Application

WHAT WE HAVE DONE?



batar



Signing Written NKM Implementation Policy

OManagement Commitment and Support

WHAT WE HAVE DONE?



Establishing BATAN NKM Team

- Developing guidance for NKM implementation
- Conducting competence mapping
- Identifying critical knowledge
- Developing Nuclear Knowledge portal

Establishing Center's NKM Team

- Developing NKM Program in their center
- Coordinating center's NKM activities







Competence Mapping

• Mapping on defined 6 areas of BATAN Competence

Identification of Critical Knowledge within each competence Domain

• 132 Critical Knowledge were Identified

Identification of Potential Loss Critical Knowledge

• Currently in progress





KNOWLEDGE DOCUMENTATION



BATAN Digital Library

http://digilib.batan.go.id/

BATAN E-Repository :

http://repo-nkm.batan.go.id/



BATAN e-Journal

http://jurnal.batan.go.id/



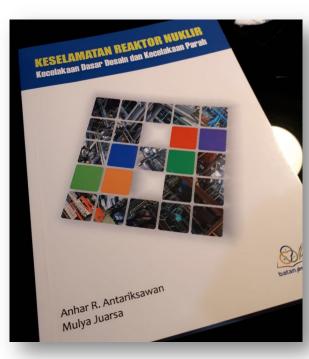
Pusdiklat Learning Management System http://layanan.batan.go.id/elearning/moodle/







KNOWLEDGE CAPTURE (for critical knowledge)



Storytelling

Structured Interview

Experience Report

Knowledge Publication







KNOWLEDGE SHARING

Regularly Scheduled in all Centers

Mandatory for Staff after attending a training or education

Encourage a thematic knowledge sharing for certain subject

SUCCESSION PLANNING

BATAN TALENT MANAGEMENT



- Identify those with the potential to assume greater responsibility
- Engage the leadership in supporting the development of high-potential leader
- Build a database to make better staffing decision







COMMUNITY OF PRACTICE



COP is encouraged to be formed within a center or within a community

- COP of NKM
- COP of Safety culture
- COP of Experimental Power Reactor
 - COP of Advanced NDT



KNOWLEDGE TRANSFER METHODS



Transfer of *explicit knowledge*

Formal Education Program

Training Program

Seminars, workshops etc,

Transfer of tacit knowledge

Coaching and Mentoring

Shadowing

on the-job-training, etc.



COOPERATION PROGRAM





Conducting Joint Training Course with Foreign as well as domestic institutions



Scientists Exchange Program (JAEA, Malaysia, France, etc)

