



WINNING THE ENVIRONMENT

*THE ECOSYSTEM APPROACH AND ITS VALUE FOR MILITARY OPERATIONS,
A WAY TO IMPROVE YOUR MISSION*



Instruction booklet.

- Elaborating on earlier pilots with water managers from Indonesia, road engineers, and tour operators from Mongolia
- Target group: Military
- Publication to instruct and to train field staff (from platoon commanders upwards)



Ecosystems assessment makes sense
Full situational awareness in CIMIC



“...it will also create opportunities for working with local partners in implementing climate change adaptation and mitigation strategies.”

Lt Gen Tariq Waeem Ghazi (Retd)

<http://iucn.org/cem>

WINNING THE ENVIRONMENT
THE ECOSYSTEM APPROACH
AND ITS VALUE FOR MILITARY
OPERATIONS



A way to improve your mission

Second completely revised edition
By P. Wit and D.A. Noome



THE BASICS

No security without ecological security

No stability without sustainability

Every soldier depends on nature

- For his survival
- To achieve his mission
- To avoid future conflicts



Quick but not so dirty

*Four steps for a
rapid ecological assessment*

- INSTRUCTION CARD
- ASSESSMENT TABLES



STEP 1: Assessing the resource base (the physical system)

Abiotic factors:

- Weather and climate
- Geology and geomorphology.
- Soils and soil fertility.
- Hydrology and geo-hydrology

Biotic factors:

- Flora and vegetation
- Fauna
- Man



STEP 2: Assessing resource use (the socio-economic system)

Extractive uses:

- Land based
- Water based

Non-extractive uses

- Conservation, Nature Protection
- Tourism and recreation
- Scientific research
- Cultural use.





STEP 3: Assessing resource management, (the institutional system)

Institutions and regulations

- Modern state representations
- Traditional authorities
- Moral authorities
- Economic powers
- The international Community

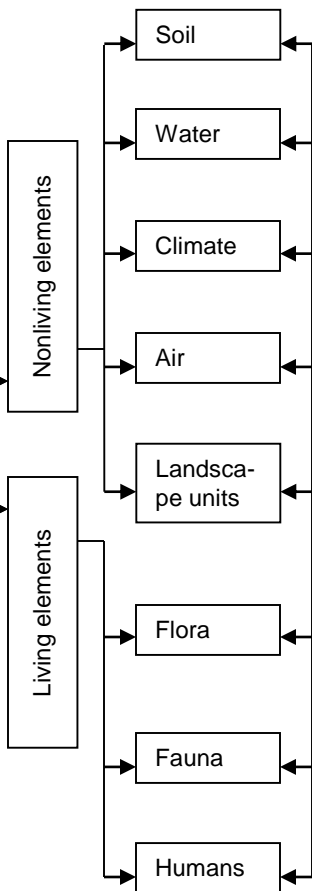


STEP 4 Adaptive management

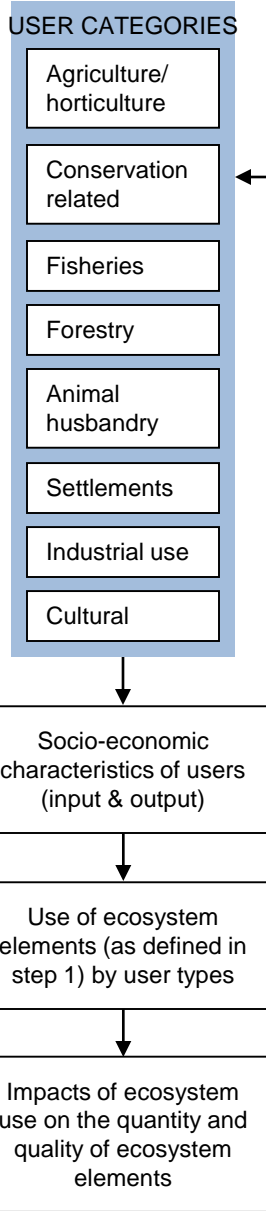
To analyse the potential impacts of proposed activities, go over step 1, 2 and 3 again:

- Positive and negative impacts
- On-site and off-site impacts.
- Impacts during and after (re-)construction.
- Direct and indirect (induced) impacts.

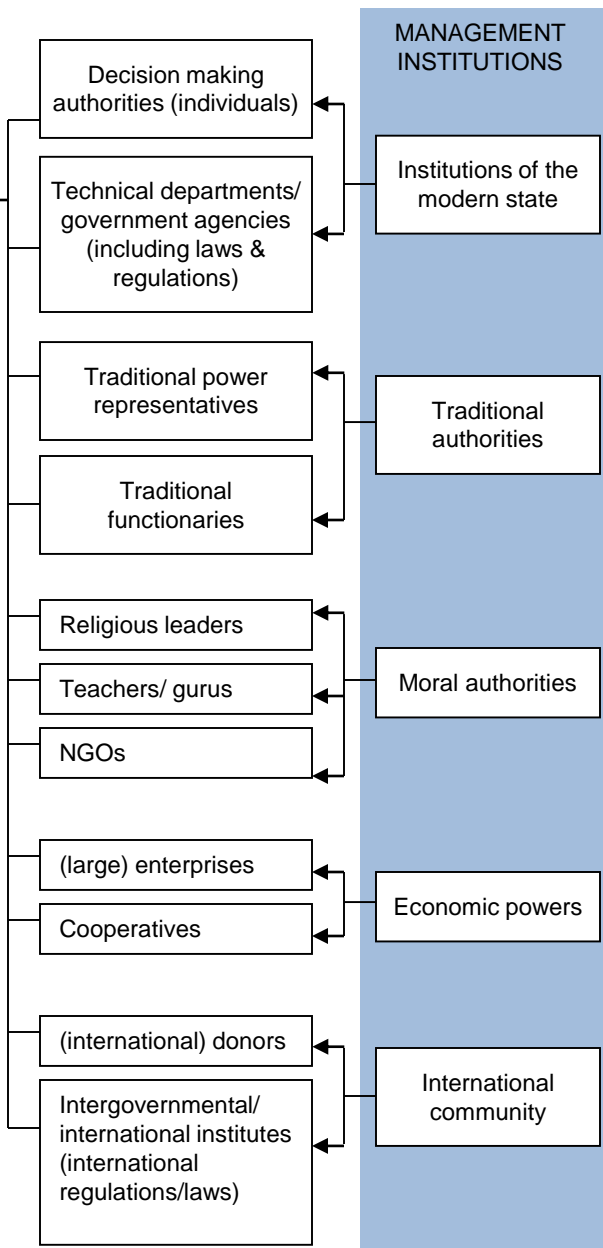
**STEP 1:
RESOURCE BASE**



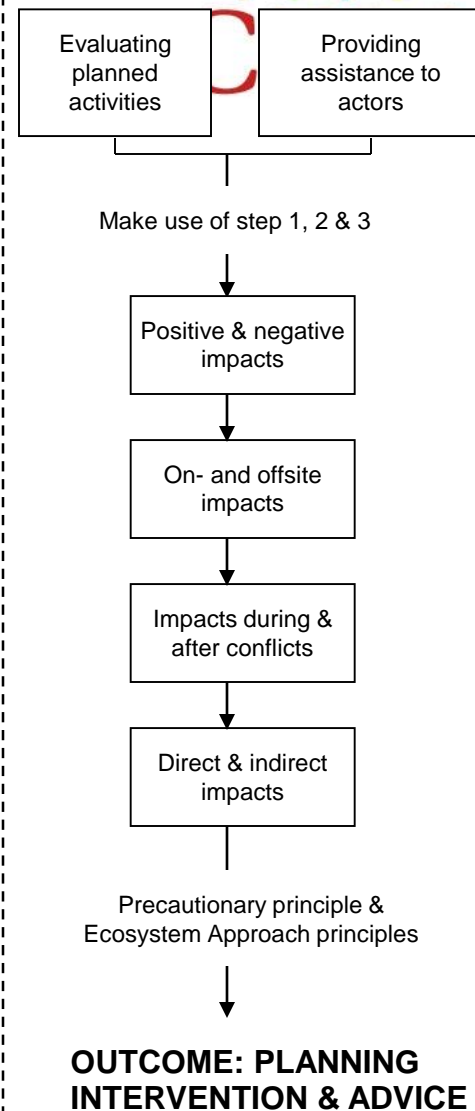
**STEP 2:
RESOURCE USE**



**STEP 3:
RESOURCE MANAGEMENT**



**STEP 4:
ENVIRONMENTAL
PRECAUTION**





Thank you
Questions?