

Implementing Process Oriented Knowledge Management: Lessons learned from an application in the OPCW

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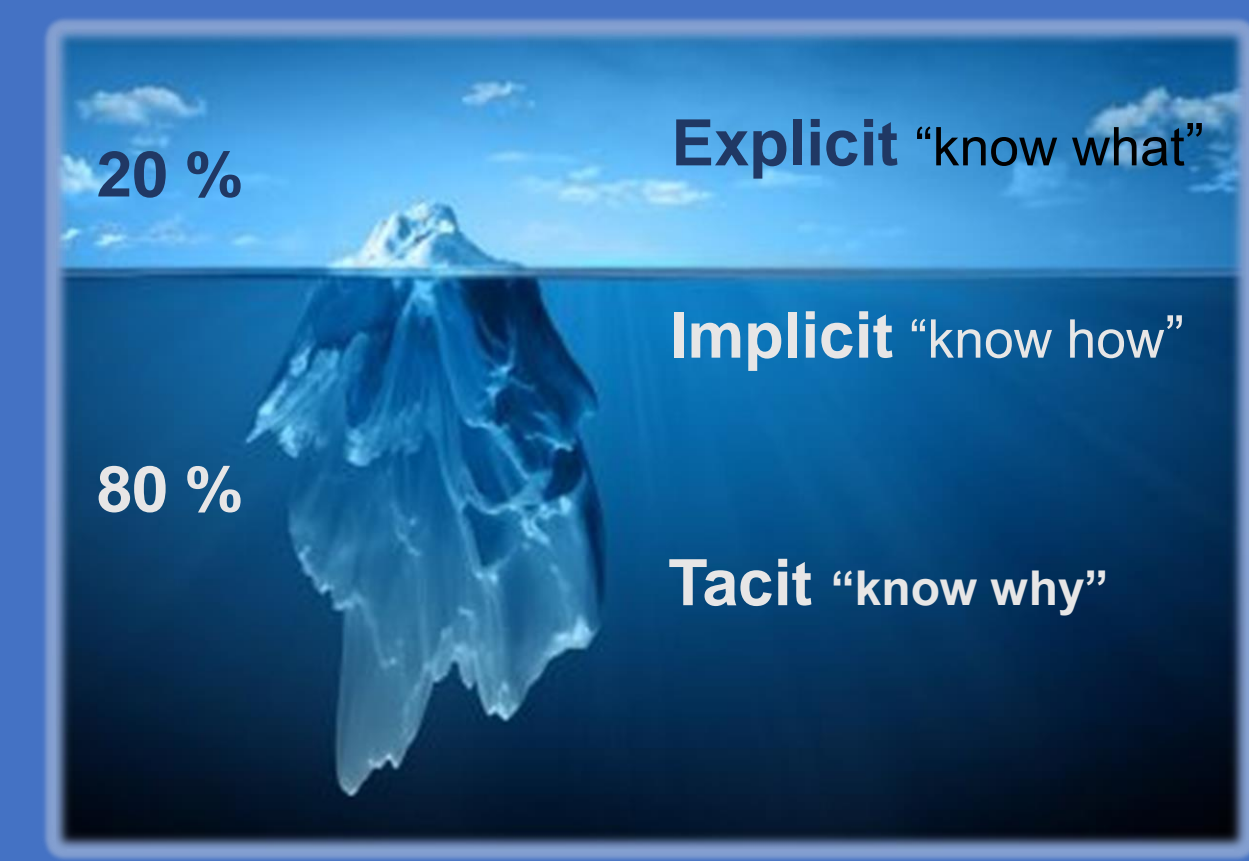
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Knowledge Management

What is Knowledge Management (KM)?
 The literature presents hundreds of definitions for knowledge management; so any definition needs to be adapted to the actual process or organization where the knowledge management initiative is going to be implemented.

KM is about making **the right knowledge available to the right people at the right time** and over all to ensure that the organization can learn and will be able to retrieve and use its knowledge when needed.

"KM is about creating value from your knowledge to improve performance at the individual, team and organization level to drive mission success"



Why manage knowledge?

- Staff and teams are continually 'reinventing the wheel'. Work is redone; staff are not aware of project and activities from the past.
- Mistakes are duplicated** because earlier ones were not analyzed, corrected, and/or documented.
- Good ideas** or good practices are **not shared** and **not re-used**.
- Small number of staff hold large portion of crucial knowledge.**
- Speed of response is low** because knowledge resources are not easily available, staff frustration increases.
- The organization does not learn.**

Knowledge Management in the OPCW

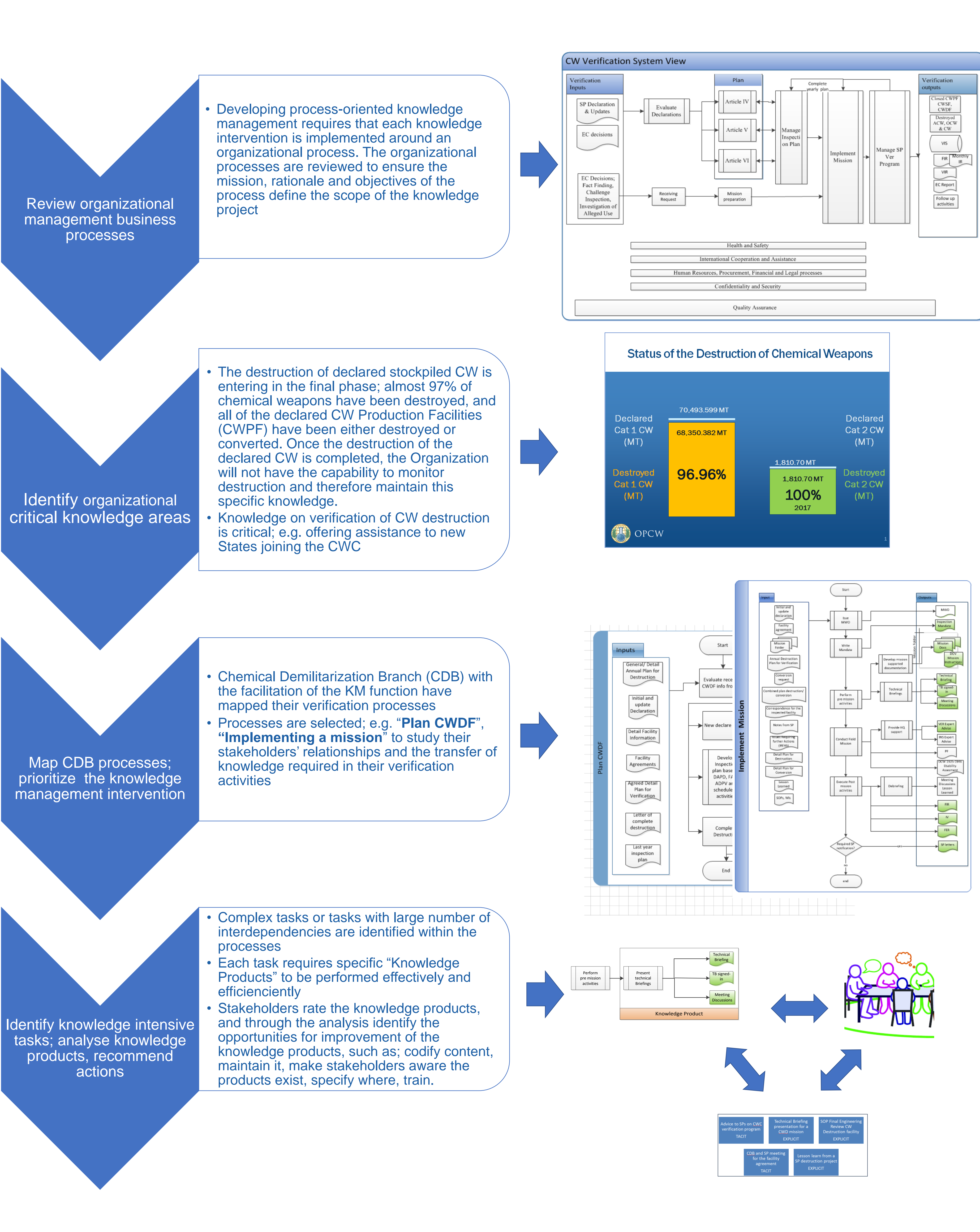
Why KM in OPCW?

- OPCW is a global repository of chemical weapon knowledge and expertise** (disarmament, verification of non-possession and non-use, and destruction).
- Specific **areas of chemical weapons expertise are getting rare**, while retention is needed. OPCW is the likely custodian for this knowledge.
- As Member States are finalising the destruction of their chemical weapons, **opportunities to learn on the job are reducing**;
- The emerging threats of non-state actors** increases the need to review knowledge profiles of staff;
- High job mobility and the application of the tenure policy** makes knowledge retention a challenge.

OPCW Mandate for KM

- States Parties to the Chemical Weapons Convention (CWC) expressed their "Commitment that the **OPCW remain the global repository of knowledge and expertise on the implementation of the Convention**" and provided the Technical Secretariat with a mandate to "present proposals for ensuring continuity in its knowledge base and expertise" (paragraph 9.14 of RC-3/3*, dated 19 April 2013)
- Stressed that the OPCW should remain the **global repository of knowledge and expertise with regard to Chemical Weapons (CW) disarmament, the verification of their non-possession and non-use, and their destruction, and requested the Secretariat to continue ensuring continuity in its knowledge base and expertise in these areas**(subparagraph 9.155(h)).

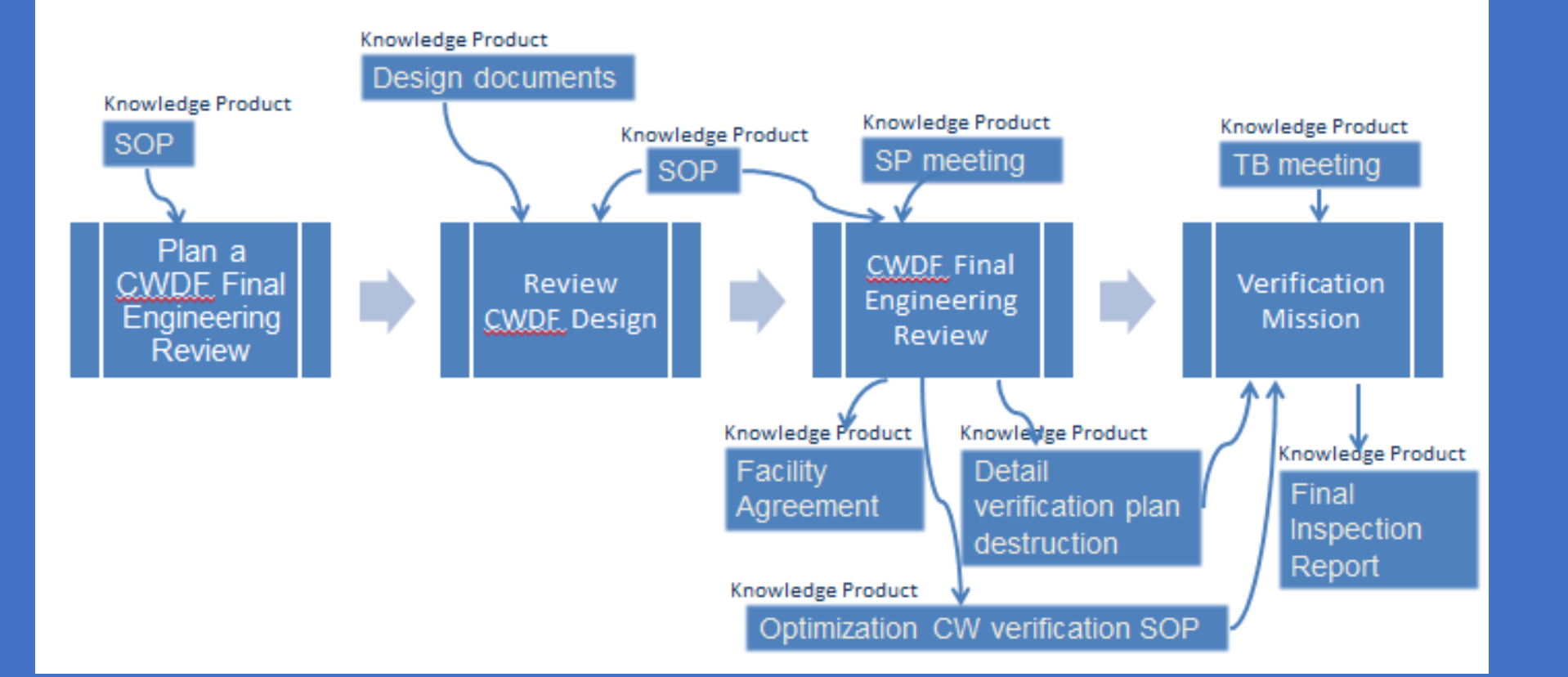
Process Oriented Knowledge Management



Example of critical Knowledge Product

Knowledge Product	Description	How to access the product?	For which product is used
Briefing Presentation	Electronic version of the presentation if one was used during the briefing	No rules for storage. Some stored at the CDB common drives.	To perform the actual mission To build on SP Ver programme
Briefing discussion	Information verbally communicated during the briefing or de-briefing	Information accessible to staff in the meeting. No minutes	To perform the actual mission

Example of necessary Knowledge Products per action



Opportunities and Achievements

Opportunities for improvement in knowledge products are identified where knowledge products are not easily available to perform specific actions effectively and efficiently. The reasons could vary from non-developed to low quality knowledge, or knowledge products which are difficult to retrieve or unknown to the user.

Examples of opportunities, interventions and achievements

- CWDF Final Engineering Review has been identified as a critical knowledge task which requires the guidance of a formal SOP to ensure all steps are followed on the base of good practices and lessons learned. It is recommended to formally include this SOP as part of the quality management system.
- SOPs on the optimization for CW verification have not been implemented for several years and were unknown to new substantive officers. A project to review the optimization of the verification measures in the CW destruction operations is in progress.
- In some cases, discrepancies were found between what the substantive officers know tacitly about the agreed verification plan between a possessor State Party and the Secretariat and the explicitly documented information on the decision making process. A project to codify this information is in progress.
- The technical briefing process is under review to ensure its accuracy and accessibility, and that there is a constant feedback process to incorporate lesson learned for future verification missions

Observation & Lessons Learned

- Process Oriented KM helps to **identify critical knowledge** and propose initiatives to preserve the knowledge in a contextualized manner.
- Stakeholder involvement on the knowledge products definition and evaluation, and the identification of knowledge improvement opportunities, introduces an **exercise of reflection and empowerment** which increase the possibility of success in the follow up recommendations.
- The **knowledge can be offered in a targeted way**, avoiding overload of knowledge. This is an ultimate goal of knowledge management to ensure the right knowledge is available to the right people at the right time.
- The acquired knowledge includes knowledge about the process, knowledge derived from the implementation of the process and knowledge from reflection on the process.
- The **impact of the knowledge intervention can be measured** based on the defined Key Performance Indicators of the business process.
- This methodology can be expanded to any organizational process or to any Organization process oriented.