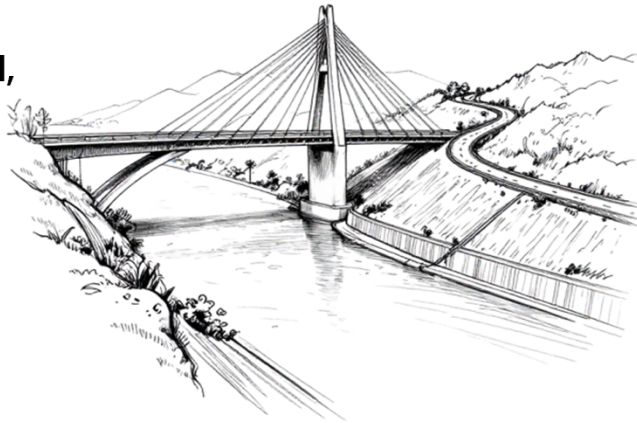


WATER-RELATED DISASTERS, SANITATION, POVERTY, AND PEACE

ICHARM 20th Anniversary
Panel Discussion
17th June 2026



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Supporting Peace, Poverty Reduction & Sanitation Through Competency

The development of effective disaster management competencies supports equitable relief delivery and resource sharing during flood disasters.

Science-based planning and crisis communication capacity built through JKR enables Malaysia to reduce poverty, maintain sanitation, and foster social peace during water disasters. Flood-resilient infrastructure ensures continued access to roads, water supplies, and essential services — protecting vulnerable communities and supporting long-term stability.



Building Competency for National Resilience



Infrastructure Safety Mandate

JKR oversees safety of risky slopes, dams, and flood-resilient infrastructure, providing critical engineering support during flood emergencies nationwide.



Competency Development Focus

Upskill engineering and architecture teams through targeted modules on resilient design, crisis communication, and disaster management.



Training Programmes & Drills

By combining real-data insights with structured workshops, lectures, and practical drills, we develop the field-ready personnel needed for rapid disaster response.



Inter-Agency Coordination

Trained and skilled JKR personnel leverage inter-agency coordination training to deliver highly effective responses.



Community Preparedness

Enables community preparedness & resilience

Reduces vulnerability & breaks poverty cycles

Equitable aid delivery & science-based planning

Fosters social stability & peace

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JKR Training Programs & Drills

JKR's competency development programs equip engineers and officers with science-based skills in resilient infrastructure design, crisis communication, and integrated disaster management — essential for effective national response.



Building Competency Through Structured Learning



Workshops & Lecture Series

Challenges :

- Data Fragmentations & Silos: Accessing and integrating real-time infrastructure, terrain, and weather data across multiple agencies restricts the accuracy of training simulations.
- Operational Translation: Converting high-level NSC Directive No. 20 policy frameworks into specific, actionable engineering workflows on the ground remains highly complex.



Practical Drills & Inter-Agency Coordination

Challenges :

- Logistical & Inter-Agency Coordination: Aligning schedules, communication protocols, and operational workflows across multiple distinct agencies makes large-scale hands-on drills difficult to organize.
- Skill Retention & High Turnover: Maintaining a consistent baseline of trained, field-ready personnel is challenging due to staff rotations, transfers, and the perishable nature of emergency response skills.

✓ Policy Ready: Powering the MyNAP; Malaysia National Adaptation Plan 'Infrastructure & Cities' sector.

✓ Response Milestones: 30% reduction in structural disaster latency.

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Conclusion

Competency development in water-related disaster management is not just about technical skills — it is about building national resilience that safeguards peace, reduces poverty, and ensures sanitation continuity for all Malaysians.

Through JKR's structured programs, Malaysia strengthens its capacity to respond effectively, recover rapidly, and protect vulnerable communities from the devastating impacts of floods.

Together, we build a more resilient and equitable future.

Thank You

