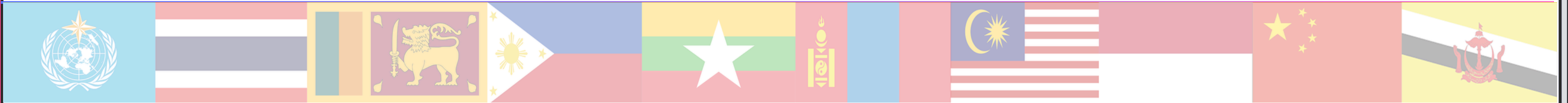


Discussion on Goals of ASEAN Weather Modification Centre (AWMC)



ASEAN Regional Seminar on Weather Modification 2024
18 - 22 October 2022, Thailand

... Outline



1

Why to be
AWMC ?

2

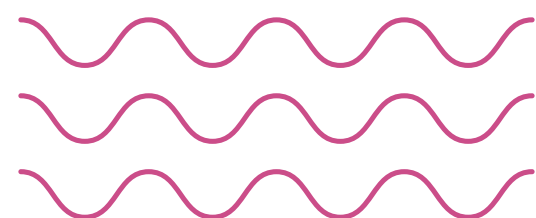
Who is
AWMC ?

3

What to
expect from
AWMC ?

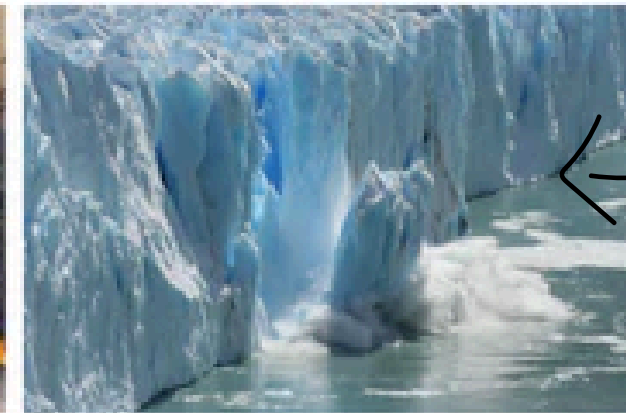
1

Why to be AWMC?



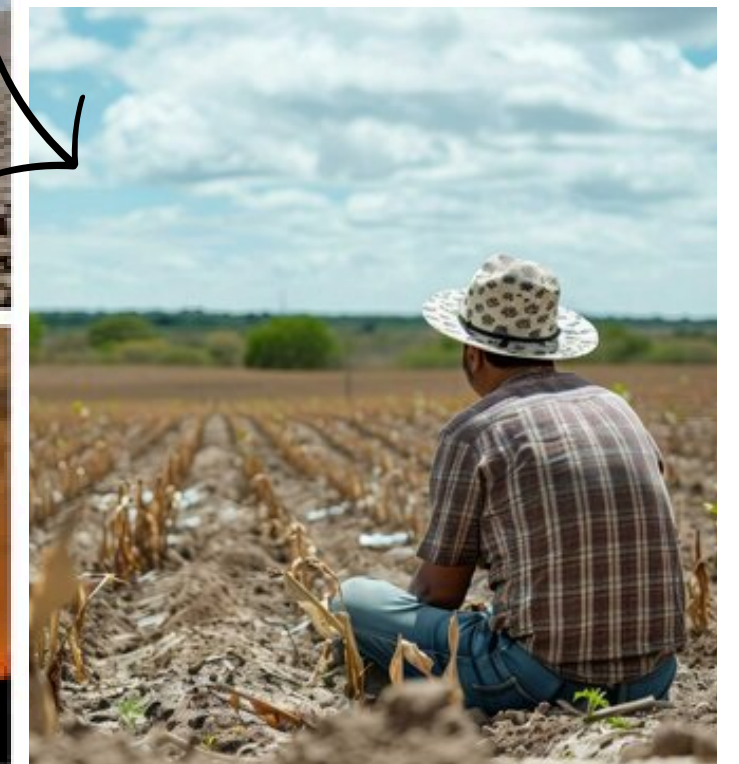
●●● Why to be AWMC ? : Global and regional urgency

**Water and food insecurity
for lives and livelihood**

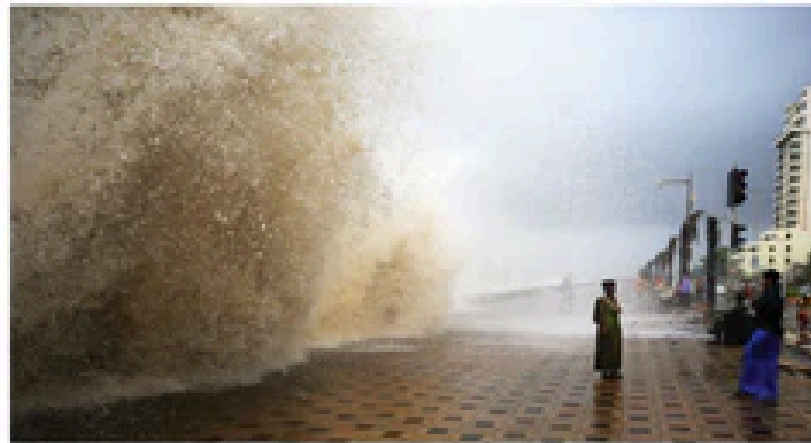
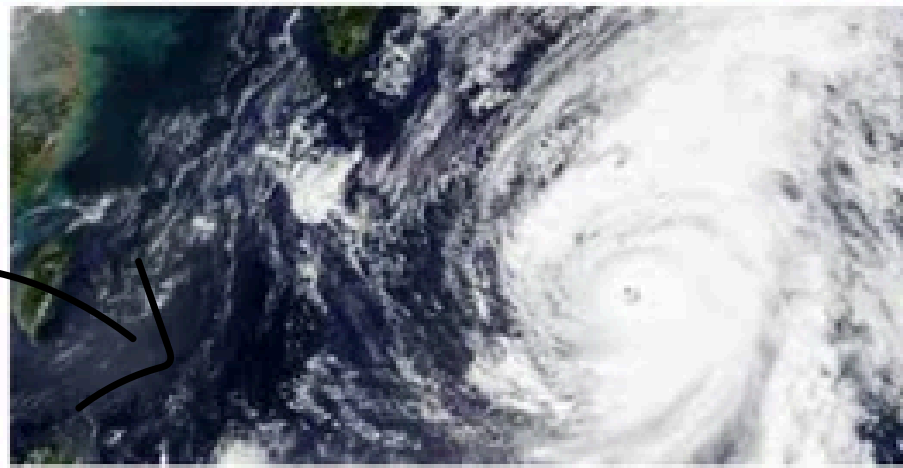


Natural disasters
(rainstorms, droughts, hailstorm, and wire fires)

**Loss in agricultural
produce/reduction in
economic productivity**



**Extreme weather
events**



Climate change / global warming

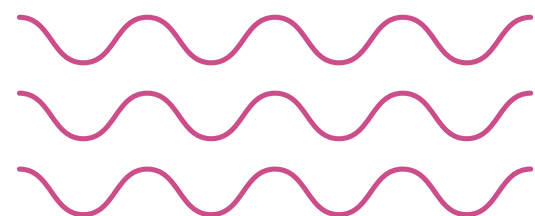
●●● Why to be AWMC ? : Significant challenges

- **Public awareness and confidence**
(The lack of confidence in safety, efficiency, and economic value of operational activities)
- **Financial constraints**
(Necessary funding for ongoing research, development, and operational activities)
- **Complexity of atmospheric process and precipitation patterns**
(The difficulties to achieve consistent and reliable outcomes due to complex atmospheric processes and precipitation patterns)
- **Sustainable development and green growth**
(The attempt to align with United Nation's SDGs)
- **Legal and regulatory handles**
(Its own set of laws and policies governing weather modification in each country)



2

Who is
AWMC?



... Who is AWMC ?



A driven mechanism to combat climate change and ensure well-being of ASEAN and other regions in a sustainable manner

- **Proposal at** the 41st Meeting of the ASEAN Sub-Committee on Meteorology and Geophysics (**SCMG-41**)
- **Endorsement at** the 44th Meeting of the ASEAN Sub-Committee on Meteorology and Geophysics (**SCMG-44**) and the 84th Meeting of the Committee on Science, Technology and Innovation (**COSTI-84**)
- **Announcement at** the 20th ASEAN Ministerial Meeting on Science, Technology and Innovation (**AMMSTI-20**)



... Who is AWMC ?



AWMC website :

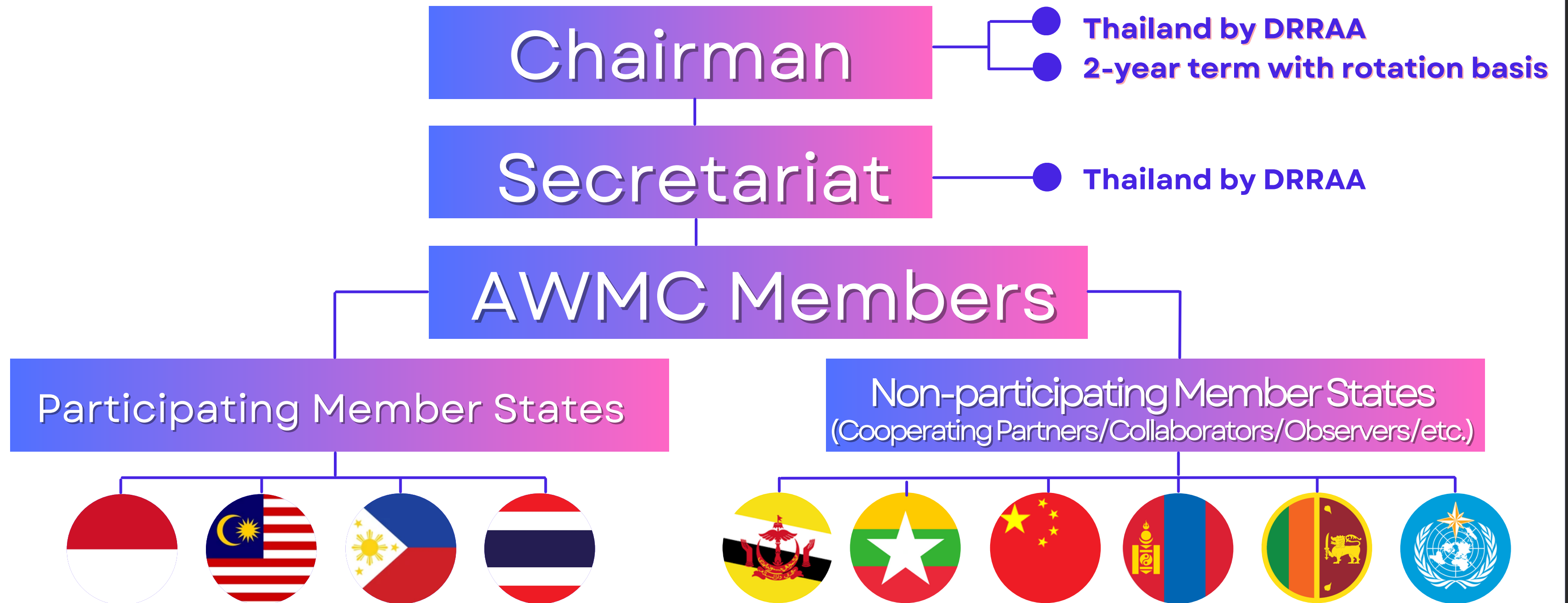
<https://awmc.royalrain.go.th/asean/>

ASEAN Weather Modification Centre (AWMC) is a regional hub and platform of weather modification technology for mitigating droughts and other water-security-related disasters.”

... Who is AWMC ?

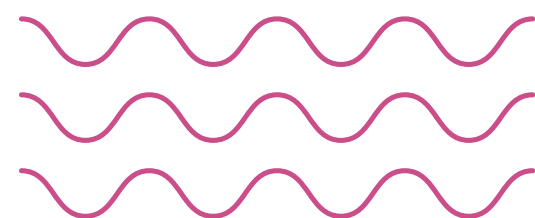


AWMC structure and members

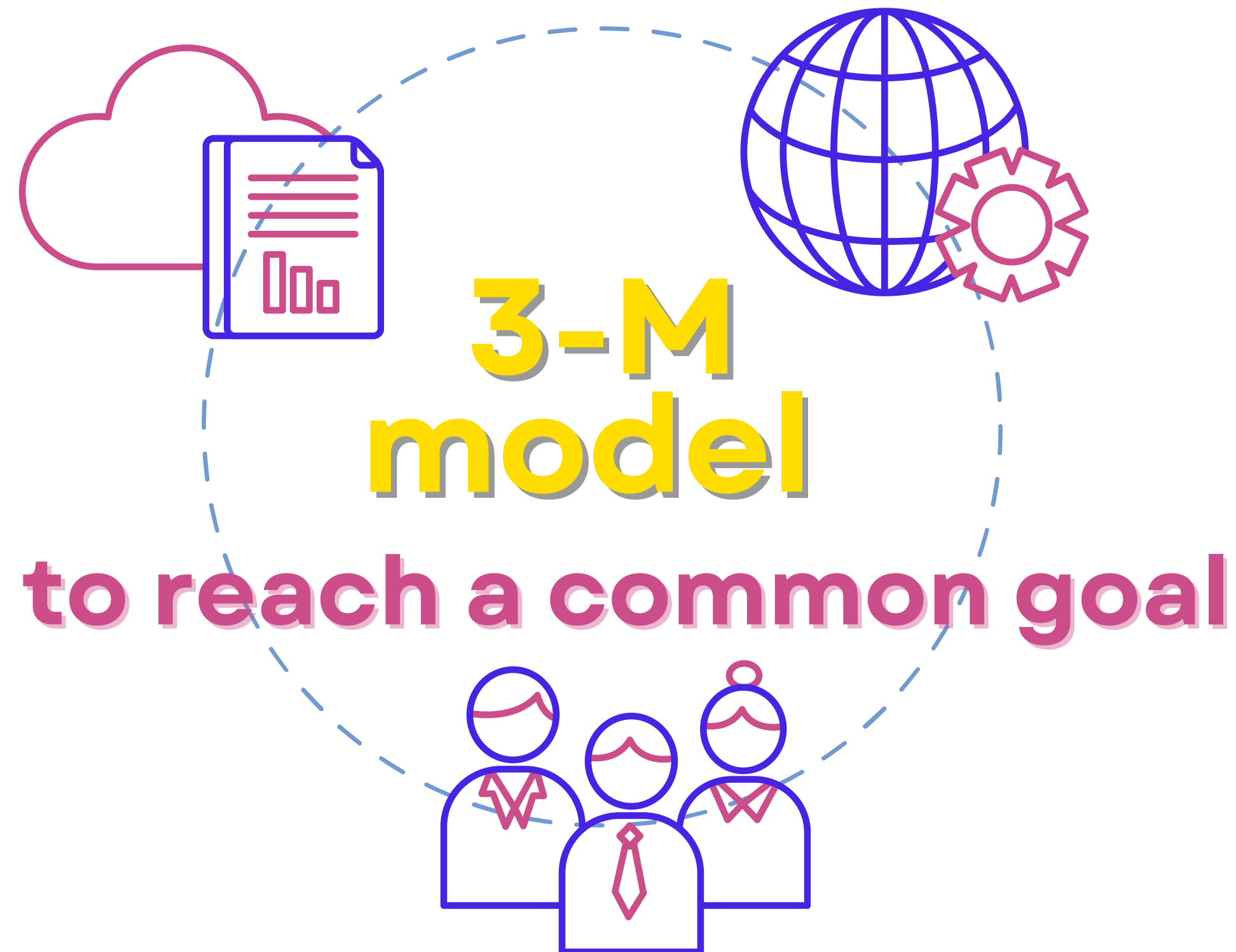


3

What to expect
from **AWMC** ?



... What to expect from AWMC ?



1 Material

2 Managerial Method

3 Manpower

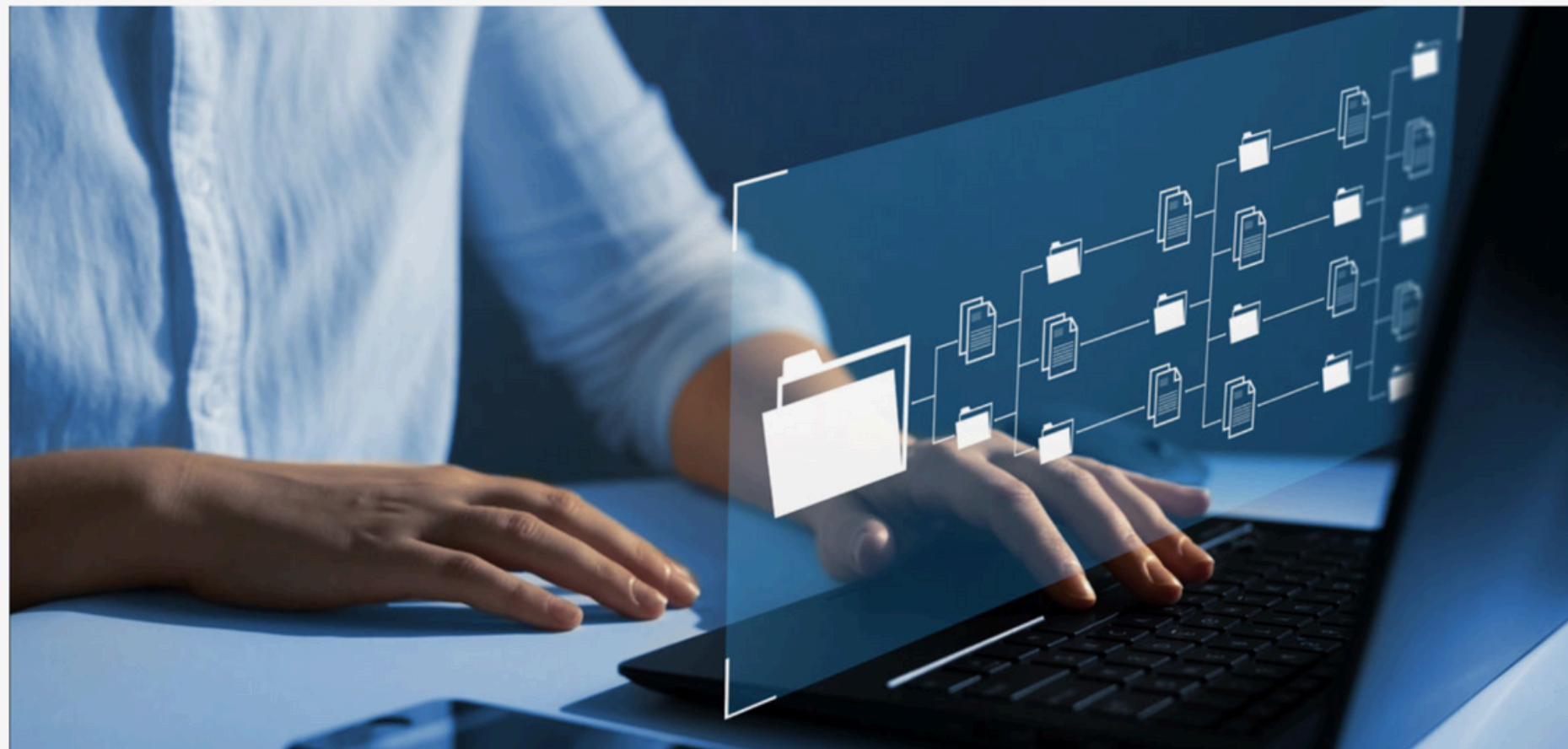
... What to expect from AWMC ?



1 Material

- Shared AWMC-related information/ scientific data/ knowledge/ experiences/ expertise/ best standard practice
- R&D collaborative projects
- New technique to improve weather services
- Necessary resources (financial, technical, and human resource)
- Innovation weather modification techniques

••• What to expect from AWMC ?



2 Managerial Method

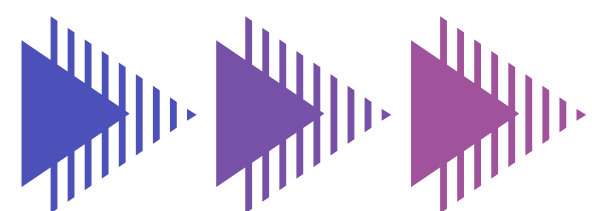
- Setting and maintaining digital interactive platform
- Developing guideline on sharing, accessing to and usage of AWMC-related information
- Disseminating related information subject to confidentiality requirement of AMS

••• What to expect from AWMC ?



3 Manpower

- Required capacity, gaps, and obstacles
- Training course/ workshop/ academic field study/ seminar/ programme
- Technical and operational advice
- Academic lecture



Insights & Discussion

Call 02-109-5100 ext. 633/630/638
or email interDRRAA@gmail.com

