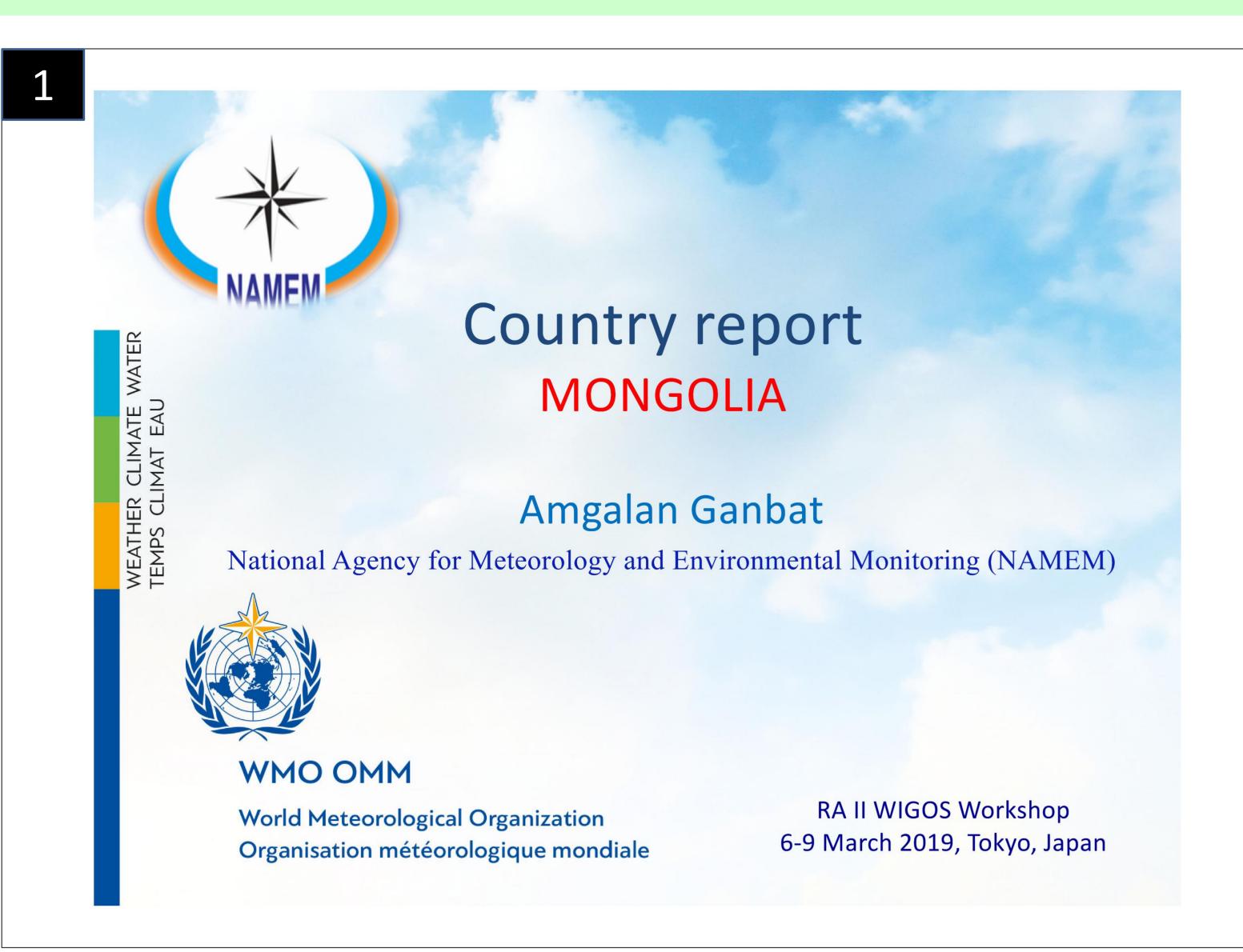
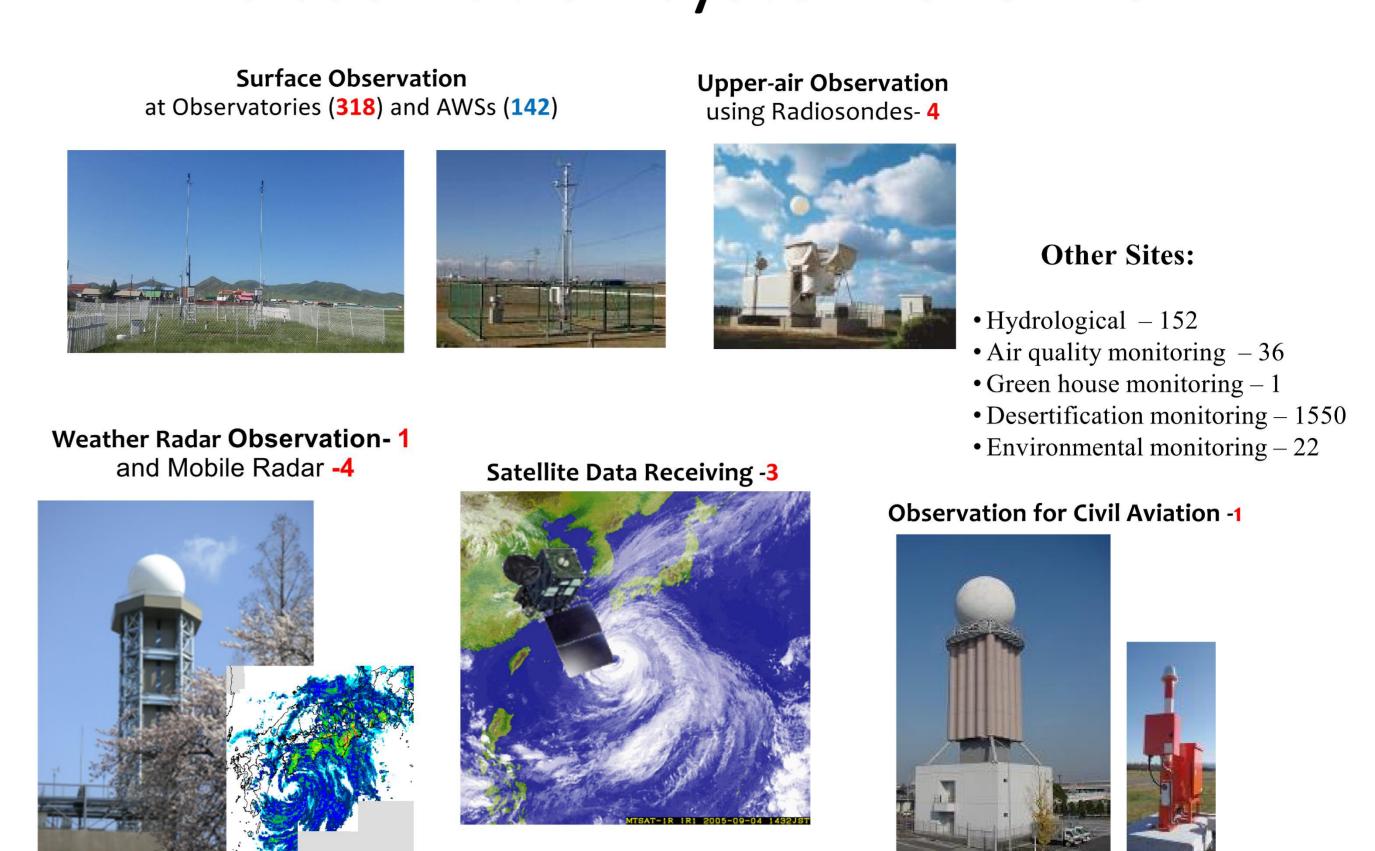
Mongolia

2

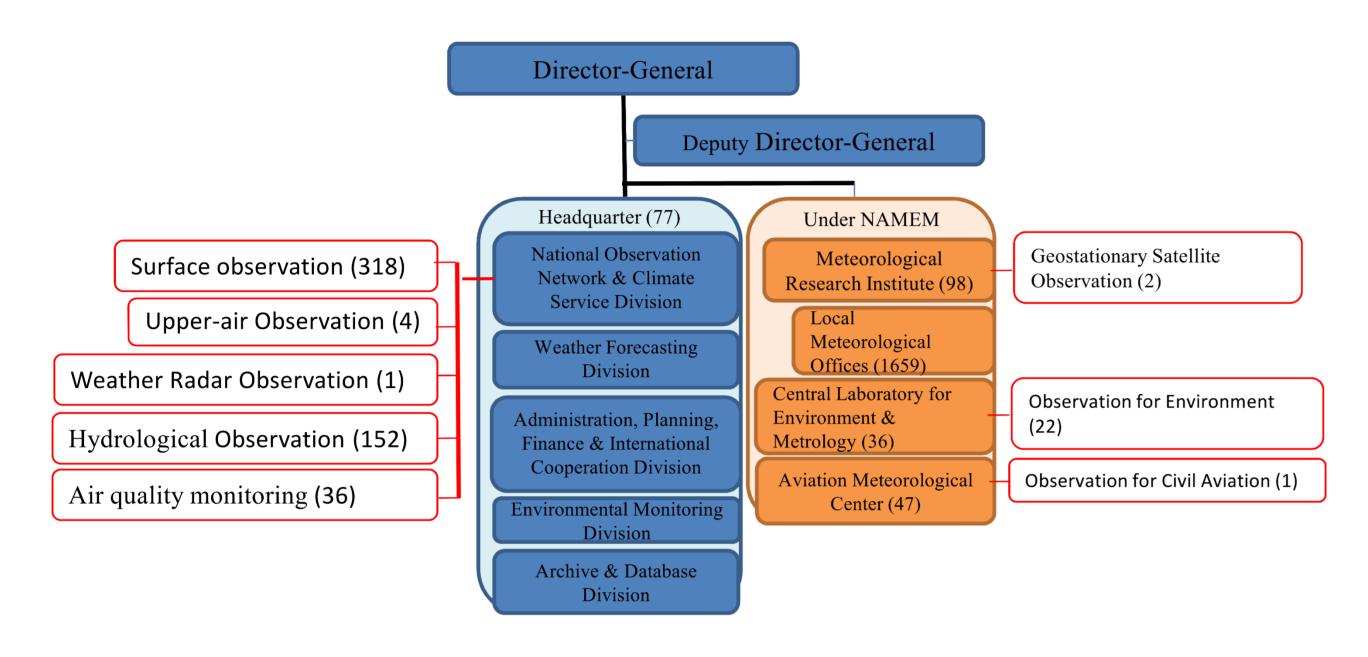




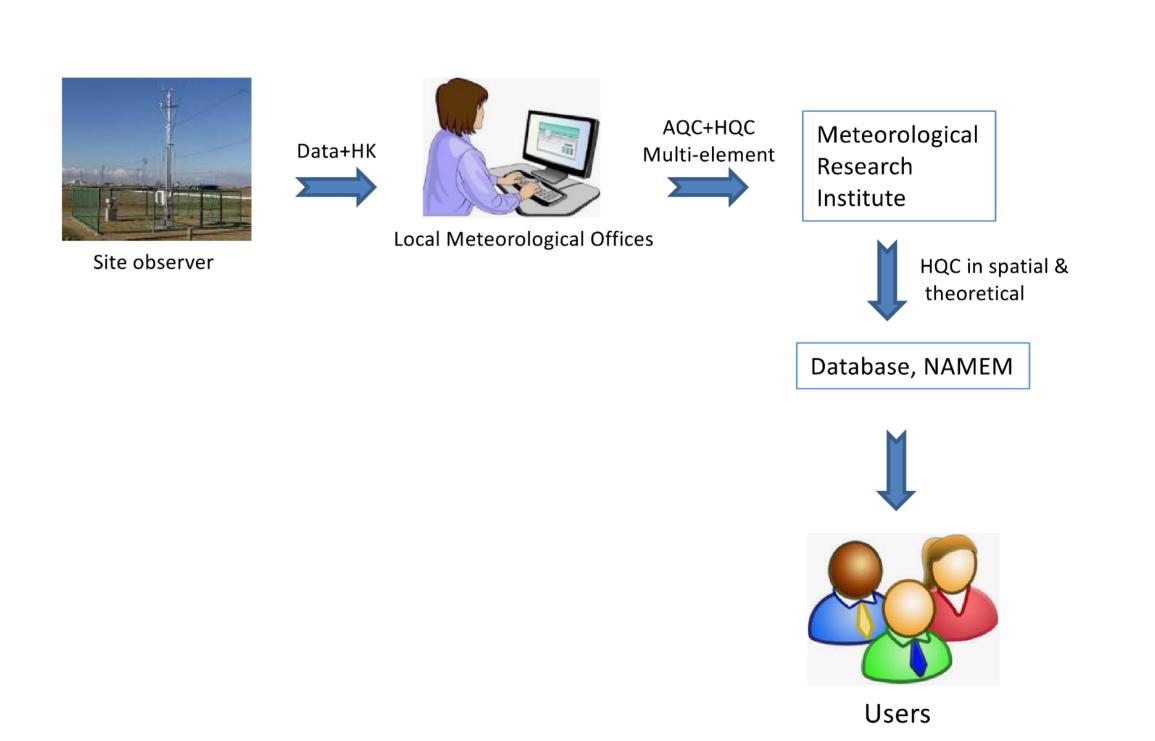
1. Observation system overview



NAMEM structure



3. Quality management of observation data



4. Integrated use of observation data

• Weather Doppler Radar – 1 • Weather radar (mobile) – 4 (MODIS, NOAA, FY, HIMAWARI)

http://amc.namem.gov.mn/radar

• Upper-air Observation using Radiosonde- 4



- ✓ Radar-rain gauge integration
- ✓ Radar-satellite integration
- ✓ Radiosonde-satellite integration

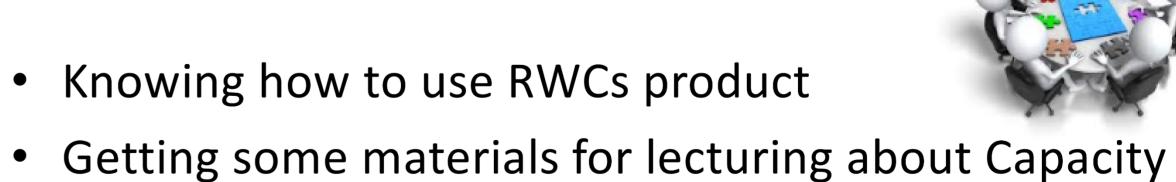
5. Observer/expert training timeline

Training	Timeline
New observer training	every year for 21 days
Observer for civil aviation	1 in every 2 years
Maintaining observation instruments	1 in every 2 years
Participating in the workshop	Every year
Telecommunication network	1 in every 2 years
Weather Forecaster every year	Every year

6. Plan for developing products

	2019	2020	2021
Provision of materials and training for users	 Mobile application Provide user manual To improve user's knowledge To hold a regular meeting with users 	 Provide training for AWS and it's manual Human resource capability 	 To release Report and publication Data management using toolkit
Satellite	Harsh winter risk map	Research on remote risk assessment, remote research and technology development	To test disaster risk by remote sensing and early warning systems
Radar	To increase 1-2 Radar network	X-band network in UB city	Integrated use of observation data
Surface	50 Manual observation should be automated	All manual observations replaced with AWS	
	Data quality monitoring systemIncrease rain-gauge		Increase mountain observation
	To bring the quality of the meteorological service for Air navigation to the international level		Increase mesuarment of soil depth temperature at sites
Long Term Forecast	Upgrade the super computer speed is 22.6 TFLOPS and the capacity is 400TB	 Upgrade the appropriate model Provide more accurate weather forecasting and climate and environmental data 	
National program for climate change	Meteorology and Environmental monitoring development program – 2025	To finalize proposals for the country's short and medium term and development program for local development policy and plan	Submit to the Government of Mongolia for an approval

7. Expectation for this workshop





- building on human resources in my office Integration of different observation systems and
- Weather Radar
- Making firm relationships between participants to exchange useful information after the workshop