



**Data reporting protocol:
Reporting formats and procedures**

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- Data reporting formats provided (see Technical manual) to standardize data reporting from NIAs

Site data: Reporting formats

1) Outline of monitoring site (prepare for each site)

Site name		Code	
Address			
Site classification	1.urban, 2.rural, 3.remote		
Latitude	(north, south) °	Longitude	(east) °
Altitude	(h.a.s.l. in m)		
Date when site became operational			
Comments*			

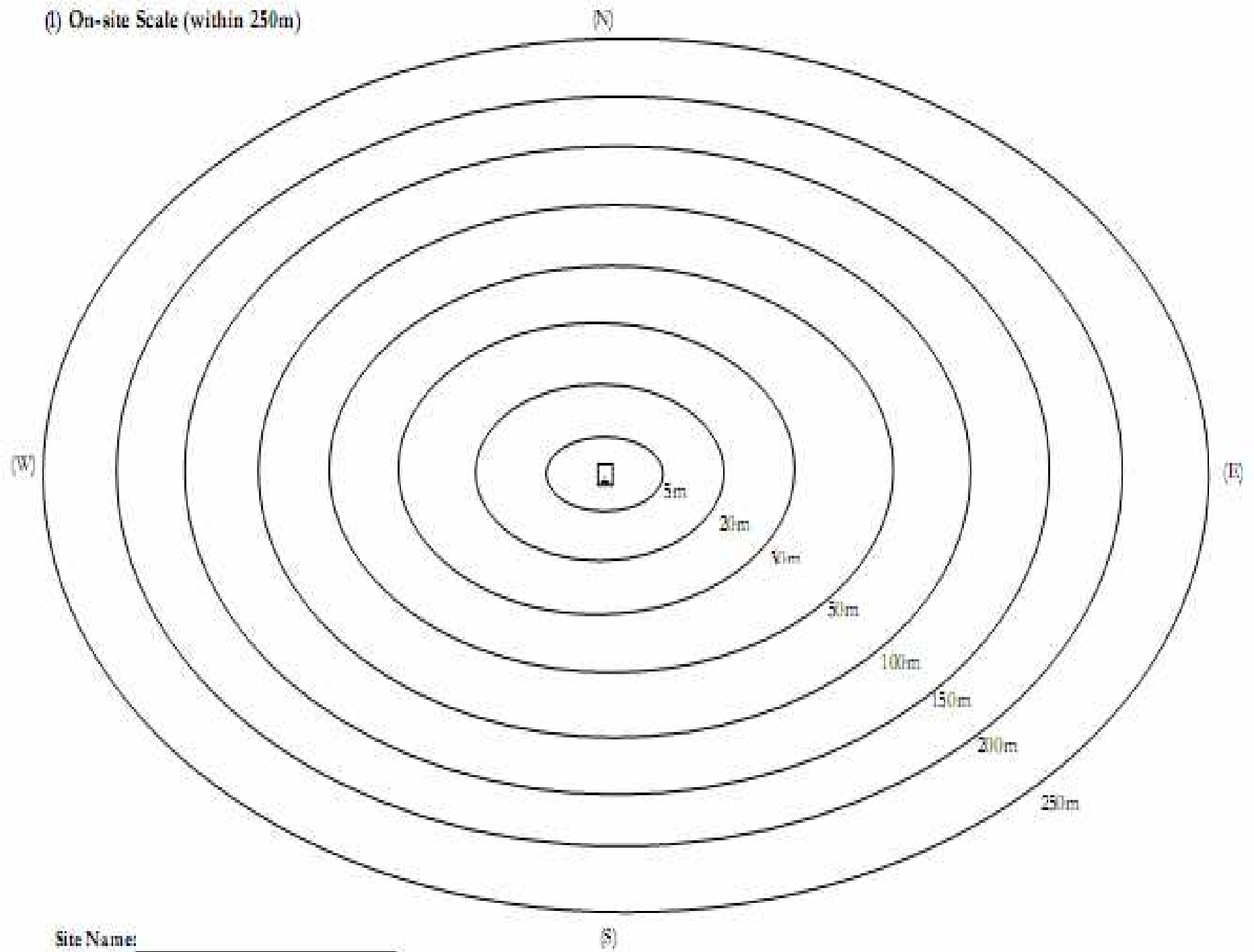
* mention any other issues, eg, lack of appropriate human resources or financial resources, and any other issues with the instrument, not covered in the other columns

Outline of monitoring site A**Site classification: Remote/Rural/Urban****On site scale (within 250m: a sketch map should be attached)**

Items	north direction(NW-NE)	east direction(NE-SE)	south direction(SE-SW)	west direction(SW-NW)
Existence of trees, poles and buildings, and the heights of those.				
Existence of emission sources, cooking energy. Domestic heating, waste and agricultural products, dairy farm, and many livestock's. Roadways, parking lots, fuel storages, etc / high				
Ground Slope degree of the site. (+ for upwards)	- °	- °	- °	- °
Surface condition of the site. % surface covered by rock, concrete trees, home shade building, etc.	(%)	(%)	(%)	(%)
Existence of a forest, river, lake, marsh, farm or fields.				
Existence of roads, and their traffic densities*				

*Describe roads with more than 100 vehicles/day.

(1) On-site Scale (within 250m)



Site Name: _____

Outline of monitoring site B

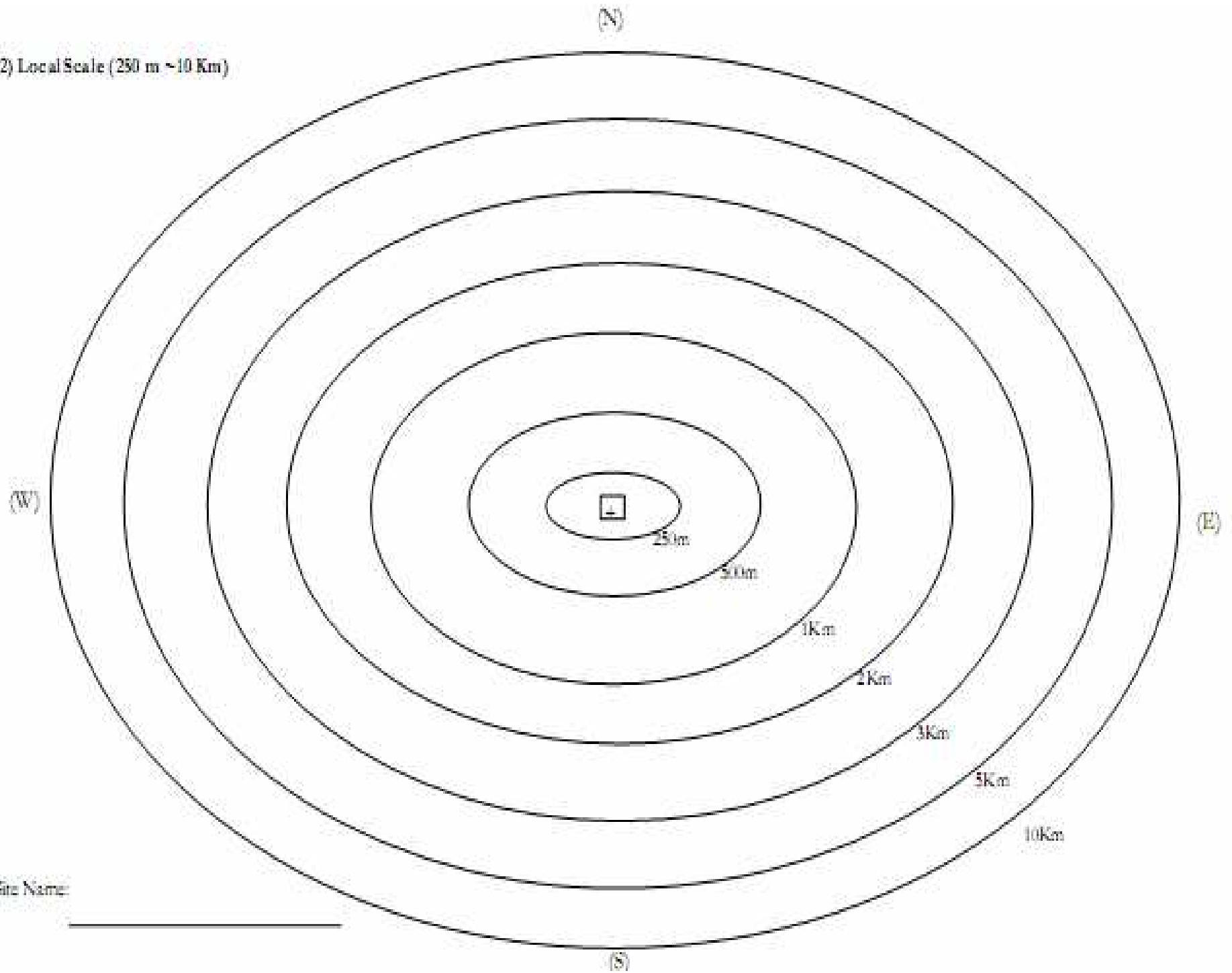
Site classification: Remote/Rural/Urban

Local scale(250 m – 10 km a sketch map should be attached)

For an urban site, at least information of area within 150m - 1km from the site is expected!

Items	north direction(NW-NE)	east direction(NE-SE)	south direction(SE-SW)	west direction(SW-NW)
Information on trunk roads, expressways, and their traffic densities (with more than <u>>1,000 vehicles/day</u>).				
Lakes, rivers, streams Marshes, forests, airports, railways, etc.				
Information on major emission sources such as industries, and power plants and their fuel consumptions and so on.				
Information on houses/ settlements with more than 100 persons, and their population.				
Descriptive information around the site such as Topography, Soils, land use, meteorological condition				

(2) Local Scale (250 m ~10 Km)



Site Name: _____

Outline of monitoring site C for remote sites*

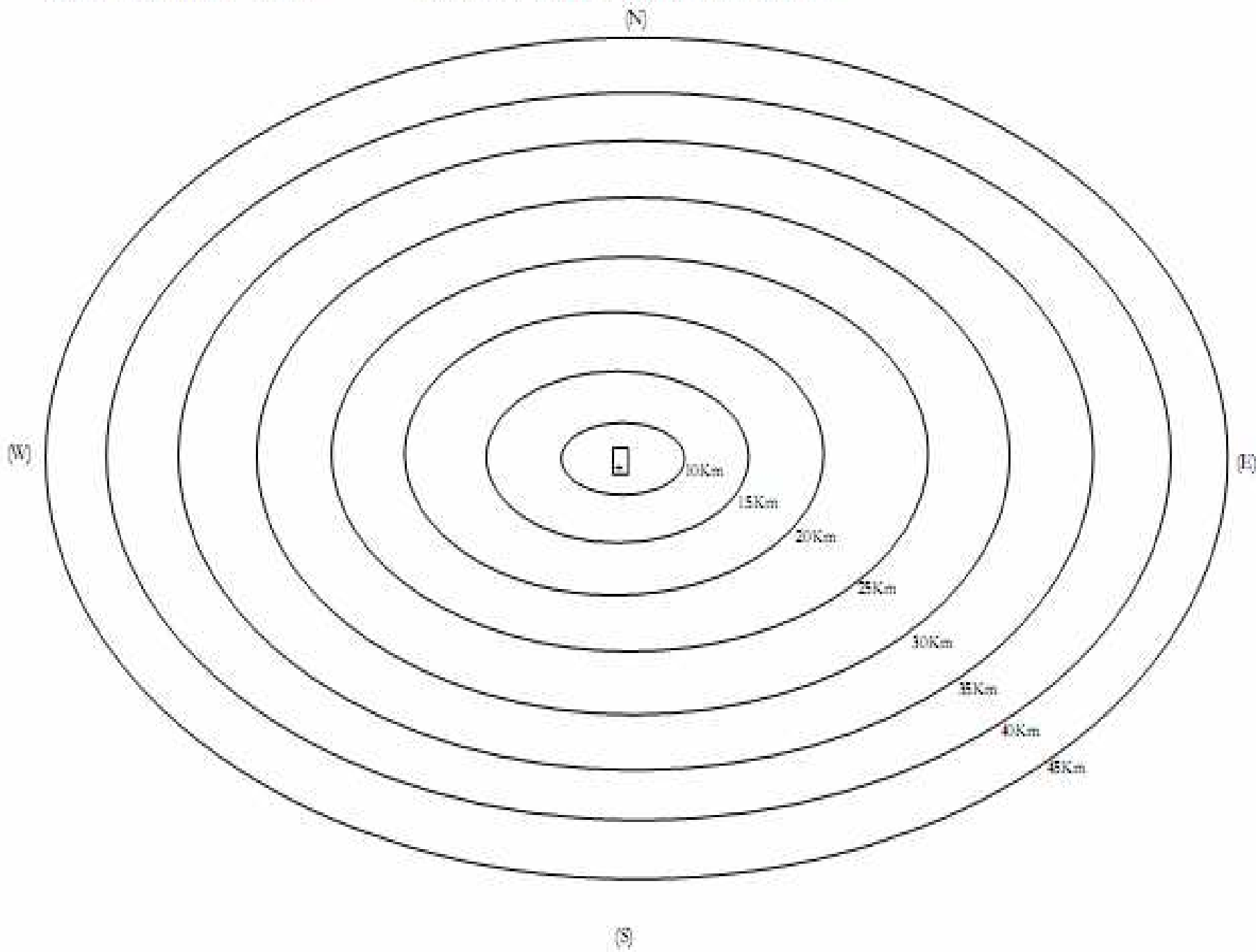
Site classification: Remote/Rural/Urban

Regional scale (up to ~ 50 km; a sketch map should be attached)

Items	north direction(NW-NE)	east direction(NE-SE)	south direction(SE-SW)	west direction(SW-NW)
Existence of major air pollution sources* - Industries (dist from Monitoring site and Sources strength in kg/day of SO ₂ , NO ₂ , SPM)				
Existence of roads with more than <u>5000 vehicles/day</u> and their traffic densities.				
Existence of settlements with a population of more than <u>1500 persons</u> .				

3) Regional Scale (10Km ~ 50Km)

Site classification: Remote/Rural/Urban



Site data: Equipment & samplers

2.2) Gases

Name of sampler	Manufacturer	Problems with working of sampler	Problems with obtaining and dispatch samplers	Notes*
Diffusive samplers				

* Mention any other issues, eg, lack of appropriate human resources or financial resources, and any other issues with the instrument, not covered in the other columns

2.3) Particulate matter

Name of instrument	Manufacturer	Dt of acquisition	Dt of installation	Dt of decommissioning	Working/Not working on dt	Problems with working of instrument	Problems with spares and consumables
HVS							
Balance							

* Mention any other issues, eg, lack of appropriate human resources or financial resources, and any other issues with the instrument, not covered in the other columns

Description of how the equipment is installed, pictures etc.

2.1) Precipitation

Name of instrument	Manufacturer	Dt of acquisition	Dt of installation	Dt of decommissioning	Working/Not working on dt	Problems with working of instrument	Problems with spares and consumables
Wet only collector							
Bulk collector							
pH meter							
EC meter							
Spectrophotometer							
AAS							
Ion chromatograph							

* Mention any other issues, eg, lack of appropriate human resources or financial resources, and any other issues with the instrument, not covered in the other columns

- Provide details only for available instruments

Site data: Reporting procedures

- **Data collector:** National Manager, Malé Network (MN) Monitoring Programme
- **Data flow:** National Manager → National Advisory Committee → MN Technical Committee → MN Secretariat
- **Data storage:** Monitoring site, National database, MN Secretariat
- **Data reporting frequency:**
 - When new site selected
 - Every 2 years subsequently (starting Jan 2011)
 - Or if any significant changes have occurred in emission sources (roads, factories, etc), sinks (forests, agriculture), receptors (water bodies, monuments, etc)
 - Or if any changes occur in equipment

Laboratory data: Equipment

Description of how the equipment is installed, pictures etc.

2.1) Precipitation

Name of instrument	Manufacturer	Dt of acquisition	Dt of installation	Dt of decommissioning	Working/Not working on dt	Problems with working of instrument	Problems with spares and consumables
Wet only collector							
Bulk collector							
pH meter							
EC meter							
Spectrophotometer							
AAS							
Ion chromatograph							

* Mention any other issues, eg, lack of appropriate human resources or financial resources, and any other issues with the instrument, not covered in the other columns

Name of instrument	Manufacturer	Dt of acquisition	Dt of installation	Dt of decommissioning	Working/Not working on dt	Problems with working of instrument	Problems with spares and consumables
HVS							
Balance							

- Provide details only for available instruments

Laboratory data: Reporting procedures

- **Data collector:** National Manager, MN Monitoring Programme
- **Data flow:** National Manager → National Advisory Committee → MN Technical Committee → MN Secretariat
- **Data storage:** Laboratory, National database, MN Secretariat
- **Data reporting frequency:**
 - When new laboratory setup
 - Every 2 years subsequently (starting Jan 2011)
 - If any changes occur in equipment

Organizational data: National organization

Date (for data reporting)	
Country name	
Organization name	
Department	
Name of contact person	
Name of national QA/QC manager (NAM)	
Postal address	
Contact address	Tel: Fax: E-mail:

Organizational data: Site

Country name	
Organization name (Responsible agency)	
Department	
Name of the person in charge	
Postal address	
Contact address	Tel: _____ Fax: _____ E-mail: _____

Organizational data: Laboratory

Wet deposition / Dry deposition (1)

Organization name		Code	
Department/Section			
Name of a person in charge in the laboratory(PCL)			
Postal address			
Contact address	Tel:		Fax:
	E-mail:		
Note			

Wet deposition / Dry deposition (2)

Organization name		Code	
Department/Section			
Name of a person in charge in the laboratory(PCL)			
Postal address			
Contact address	Tel:		Fax:
	E-mail:		
Note			

Organizational data: Reporting procedures

- **Data collector:** National Manager, MN Monitoring Programme
- **Data flow:** National Manager → National Advisory Committee → MN Secretariat
- **Data storage:** Monitoring sites, Laboratories, National database, MN Secretariat
- **Data reporting frequency:** When new site or laboratory become operational, or if changes occur in personnel or contact coordinates.

Precipitation data: Reporting procedures

- **Data collector:** Laboratory i/c
- **Data flow:** Laboratory i/c → National Manager → National Advisory Committee → Technical Committee → MN Secretariat → Steering Committee
- **Data storage:** Laboratory, National database, MN Secretariat
- **Data reporting frequency:** Bi-monthly

HVS data: Reporting procedures

- **Data collector:** Site i/c
- **Data flow:** Site i/c → National Manager
→ National Advisory Committee → Technical
Committee → MN Secretariat → Steering
Committee
- **Data storage:** Site, National database, MN
Secretariat
- **Data reporting frequency:** Bi-monthly

Diffusive sampler data: Reporting procedures

- **Data collector:** Site i/c
- **Data flow:** IVL → National Manager
→ National Advisory Committee → Technical Committee → MN Secretariat → Steering Committee
- **Data storage:** IVL, National database, MN Secretariat
- **Data reporting frequency:** Bi-monthly

Meteorological data: Reporting procedures

- **Data collector:** Site i/c
- **Data flow:** Site i/c → National Manager
→ National Advisory Committee → Technical Committee → MN Secretariat → Steering Committee
- **Data storage:** Site, National database, MN Secretariat
- **Data reporting frequency:** Bi-monthly

Flags

- Flags should be used to indicate information useful for interpreting reported data. Flag classification is given below (see Technical Manual for details):
 - Group 9: Missing measurement (890-No precipitation)
 - Group 8: Undefined measurement (890-Conc undefined)
 - Group 7: Value unknown (780-Value < detection limit)
 - Group 6: Mechanical problem (678-Cyclone)
 - Group 5: Chemical problem (556-Bird droppings)
 - Group 4: Extreme/inconsistent values (460-Contamination)
 - Group 2: Exception flags assigned by data coordinator (250-Considerable sea salt)
 - Group 1: Exception flags for accepted/irregular data (120-Sample reanalyzed with similar results, Valid measurement)
 - Groups 3 &): Not assigned

A young girl with dark hair, wearing a colorful patterned swimsuit, is crouching on a large, light-colored rock at the edge of a river. She is smiling and has her right hand extended towards the water, with some splashing visible. The background shows a lush green forest with dense foliage and a calm river reflecting the trees. The scene is brightly lit, suggesting a sunny day.

Thank you

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