



منظمة الرواد للتنمية  
Organization of Development Pioneers

## **Annex for the questionnaire related to the professional guidance of climate change**

**Organization of Development Pioneers (ODP) Initiative**

The Climate Change Inventory and Survey Questionnaire for Libya is designed to gather comprehensive and accurate data on climate change impacts, vulnerabilities, and responses across the country. This questionnaire aims to provide a detailed understanding of the current state of climate data collection, management, and utilization in Libya. The information gathered will be crucial for informing national climate policies, enhancing climate resilience, and supporting international reporting obligations.

By participating in this survey, your organization will contribute to a more accurate and comprehensive inventory of climate change in Libya. The data collected will help identify key climate-related risks, gaps in data collection, and opportunities for improving climate change mitigation and adaptation strategies. Your input is essential for developing effective and evidence-based climate policies that address the unique challenges faced by Libya.

We encourage all relevant organizations, institutions, and authorities to participate in this survey. Your cooperation will ensure that the mapping and inventory of climate change in Libya are as accurate and comprehensive as possible. Thank you for your time and valuable contributions.

## Sample Size for Accuracy

To ensure that the mapping and survey are closer to accuracy, it is important to determine an appropriate sample size. The sample size should be representative of the diverse sectors, regions, and stakeholders involved in climate change activities in Libya. A recommended sample size for a comprehensive and accurate survey would be around **300-500** respondents. This sample size should include a mix of government agencies, non-governmental organizations (NGOs), research institutions, private sector entities, and local communities.

## Parties, Institutions, and Authorities to Participate in the Survey and Mapping

To ensure a comprehensive and accurate inventory and survey, the following parties, institutions, and authorities are best suited to participate:

### 1. Government Agencies:

- National Statistical Office (NSO): Responsible for collecting, analyzing, and disseminating climate-related data.
- Ministry of Environment: Oversees environmental policies and climate change initiatives.
- Ministry of Agriculture: Manages agricultural practices and climate-related impacts on agriculture.
- Ministry of Water Resources: Oversees water management and climate-related impacts on water resources.
- Ministry of Health: Addresses public health issues related to climate change.
- Ministry of Energy: Manages energy policies and renewable energy initiatives.
- National Meteorological Office: Collects and analyzes meteorological data.

### 2. Non-Governmental Organizations (NGOs):

- Environmental NGOs: Advocate for climate action, raise awareness, and implement grassroots initiatives.
- Development NGOs: Focus on sustainable development and climate resilience projects.
- Humanitarian NGOs: Address climate-related disasters and support affected communities.

### 3. Research Institutions:

- Universities: Conduct research on climate change impacts, mitigation, and adaptation strategies.
- Research Centers: Focus on climate science, environmental management, and sustainable development.
- Think Tanks: Provide policy analysis and recommendations on climate change.

#### **4. Private Sector:**

- Energy Companies: Invest in renewable energy and energy efficiency technologies.
- Agricultural Companies: Implement climate-resilient farming practices.
- Construction Companies: Design and build climate-resilient infrastructure.
- Technology Companies: Develop and deploy climate monitoring and data management tools.

#### **5. Local Communities:**

- Community Leaders: Provide insights into local climate impacts and adaptation strategies.
- Farmers and Fishermen: Share experiences related to climate-related changes in agriculture and fisheries.
- Youth and Women's Groups: Engage in climate awareness and action initiatives.

#### **6. International Organizations:**

- United Nations Agencies: Provide technical assistance, funding, and policy guidance on climate change.
- International NGOs: Support climate-related projects and initiatives in Libya.
- Development Banks: Fund climate resilience and mitigation projects.

# Climate Change Inventory and Survey Questionnaire for Libya

## Section 1: Basic Information

1. Name of Organization/Institution:
  - .....
2. Contact Person:
  - .....
3. Email Address:
  - .....
4. Phone Number:
  - .....
5. Location (City/Region):
  - .....
6. Type of Organization:
  - Government Agency
  - Non-Governmental Organization (NGO)
  - Research Institution
  - Private Sector
  - Other (please specify) \_\_\_\_\_

## Section 2: Climate Data Collection and Management

7. Does your organization collect climate-related data?
  - Yes
  - No
8. If yes, what types of climate data do you collect? (Select all that apply)
  - Temperature
  - Precipitation
  - Greenhouse Gas Emissions
  - Sea Level Rise
  - Extreme Weather Events
  - Other (please specify) \_\_\_\_\_
9. What methods do you use for collecting climate data? (Select all that apply)
  - Meteorological Stations
  - Satellite Observations
  - Ground-Based Sensors
  - Climate Models
  - Other (please specify) \_\_\_\_\_
10. Do you have standardized protocols for climate data collection?
  - Yes
  - No



11. If yes, are these protocols aligned with international standards?
- Yes
  - No
12. Do you have a centralized database for storing climate data?
- Yes
  - No
13. If yes, is the database accessible to other stakeholders?
- Yes
  - No
14. Do you conduct regular quality control checks on your climate data?
- Yes
  - No

### **Section 3: Climate Change Impacts and Vulnerabilities**

15. Have you conducted a climate risk assessment for your region/sector?
- Yes
  - No
16. If yes, what are the key climate-related risks identified? (Select all that apply)
- Flooding
  - Drought
  - Heatwaves
  - Sea Level Rise
  - Other (please specify) \_\_\_\_\_
17. What are the most vulnerable sectors/areas in your region to climate change?  
(Select all that apply)
- Agriculture
  - Water Resources
  - Coastal Communities
  - Infrastructure
  - Public Health
  - Other (please specify) \_\_\_\_\_
18. Have you experienced any significant climate-related events in the past 5 years?
- Yes
  - No
19. If yes, please describe the event(s) and their impacts:
- \_\_\_\_\_

## Section 4: Climate Change Mitigation and Adaptation

20. Does your organization have any climate change mitigation strategies in place?
- Yes
  - No
21. If yes, what are the key mitigation strategies? (Select all that apply)
- Renewable Energy Adoption
  - Energy Efficiency Measures
  - Carbon Sequestration
  - Other (please specify) \_\_\_\_\_
22. Does your organization have any climate change adaptation strategies in place?
- Yes
  - No
23. If yes, what are the key adaptation strategies? (Select all that apply)
- Infrastructure Resilience
  - Early Warning Systems
  - Community Education and Awareness
  - Other (please specify) \_\_\_\_\_
24. Have you integrated climate change considerations into your project planning and implementation?
- Yes
  - No
25. If yes, how have you integrated climate change considerations?
- \_\_\_\_\_

## Section 5: Policy and Decision-Making

26. Does your organization use climate data to inform policy and decision-making?
- Yes
  - No
27. If yes, how is climate data used in policy and decision-making?
- \_\_\_\_\_
28. Are your climate-related policies aligned with international agreements (e.g., Paris Agreement)?
- Yes
  - No
29. Do you conduct regular impact assessments of your climate-related policies?
- Yes
  - No

30. If yes, what are the key findings from these assessments?

- \_\_\_\_\_

## Section 6: Public Awareness and Education

31. Does your organization conduct public awareness campaigns on climate change?

- Yes
- No

32. If yes, what are the key messages and activities of these campaigns?

- \_\_\_\_\_

33. Do you engage local communities in climate change discussions and activities?

- Yes
- No

34. If yes, how do you engage local communities?

- \_\_\_\_\_

35. Do you provide educational programs or training on climate change?

- Yes
- No

36. If yes, what are the key topics and target audiences of these programs?

- \_\_\_\_\_

## Section 7: Collaboration and Partnerships

37. Does your organization collaborate with other institutions on climate change activities?

- Yes
- No

38. If yes, which institutions do you collaborate with? (Select all that apply)

- Government Agencies
- Non-Governmental Organizations (NGOs)
- Research Institutions
- Private Sector
- International Organizations
- Other (please specify) \_\_\_\_\_

39. Do you participate in international climate initiatives or forums?

- Yes
- No

40. If yes, which international initiatives or forums do you participate in?

- \_\_\_\_\_



41. Do you receive international funding or technical assistance for climate-related projects?

- Yes
- No

42. If yes, which organizations provide funding or technical assistance?

- \_\_\_\_\_

### **Section 8: Monitoring, Reporting, and Verification (MRV)**

43. Does your organization have an MRV system in place for climate data?

- Yes
- No

44. If yes, what are the key components of your MRV system? (Select all that apply)

- Data Collection Methods
- Reporting Frameworks
- Quality Assurance
- Third-Party Validation
- Other (please specify) \_\_\_\_\_

45. Do you publish regular reports on climate change data and activities?

- Yes
- No

46. If yes, how frequently are these reports published?

- Annually
- Quarterly
- Monthly
- Other (please specify) \_\_\_\_\_

47. Do you share your climate data and reports with other stakeholders?

- Yes
- No

48. If yes, how do you share this information?

- \_\_\_\_\_

### **Section 9: Future Plans and Recommendations**

49. What are your organization's future plans for addressing climate change?

- \_\_\_\_\_

50. What are the key challenges you face in addressing climate change?

- \_\_\_\_\_

51. What recommendations do you have for improving climate change data collection and management in Libya?

• \_\_\_\_\_

52. Do you have any additional comments or suggestions?

• \_\_\_\_\_

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## **Instructions for Completing the Questionnaire**

1. Please answer all questions to the best of your ability.
2. Use the tick boxes to select your responses.
3. For questions that require additional information, please provide detailed comments in the spaces provided.
4. Ensure that all sections are completed to provide a comprehensive overview of your organization's climate change activities and data management practices.
5. Submit the completed questionnaire to the designated contact person or email address provided.

**Thank you for your participation in this important survey. Your input will contribute to a more accurate and comprehensive inventory of climate change in Libya.**