

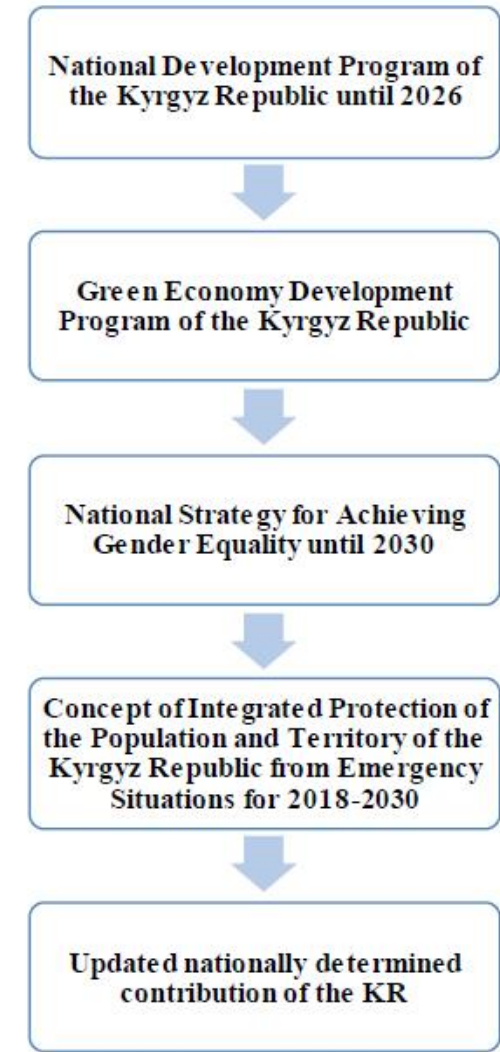
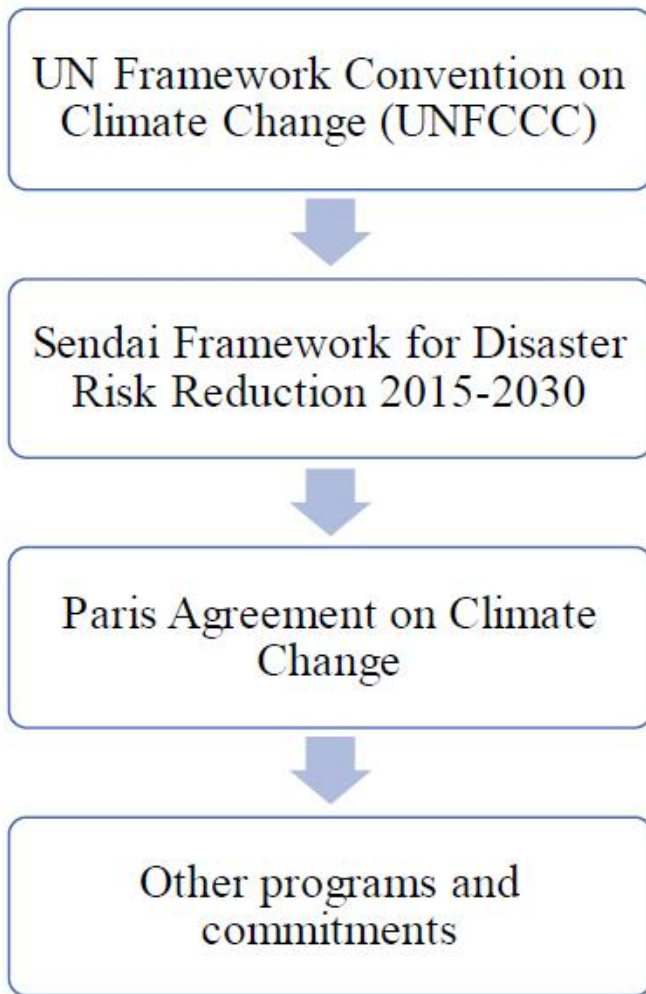


Developing Official Statistics for Climate Change Decision Making – Best Practices in the Kyrgyz Republic

*UNECE Expert Forum for Producers and Users of Climate Change-Related Statistics
29-30 August 2024, Geneva*

Nazira Kerimalieva, first deputy chairman National Statistical Committee of the Kyrgyz Republic,
Elena Doronina, Leading Specialist of the Department of Sustainable Development and Environment
Statistics, National Statistical Committee of the Kyrgyz Republic
Georgy Fomenko, Doctor of Geographic Sciences, Professor, Project Manager, International Consultant,
Marina Fomenko, PhD in Geography, specialist in climate change adaptation measures and institutional
support for the project

International and National Frameworks



Importance of data for monitoring

Paris Agreement

- “monitoring, evaluating and learning from adaptation plans, policies, programs and actions (Article 7)”

Sustainable Development Goals



Sendai Framework for Action for Disaster Risk Reduction 2015-2030

- encourage the collection, analysis, systematization and use of relevant data and practical information and ensure its dissemination, taking into account the needs of different categories of users, depending on the circumstances (Priority 1. Understanding disaster risk)



National Regulatory Legal Documents in the Field of the Development of Climate Change Statistics

Medium-term program for the development of official statistics of the Kyrgyz Republic for 2022-2026 - “82.Improvement of Climate Change and Disaster Statistics”.

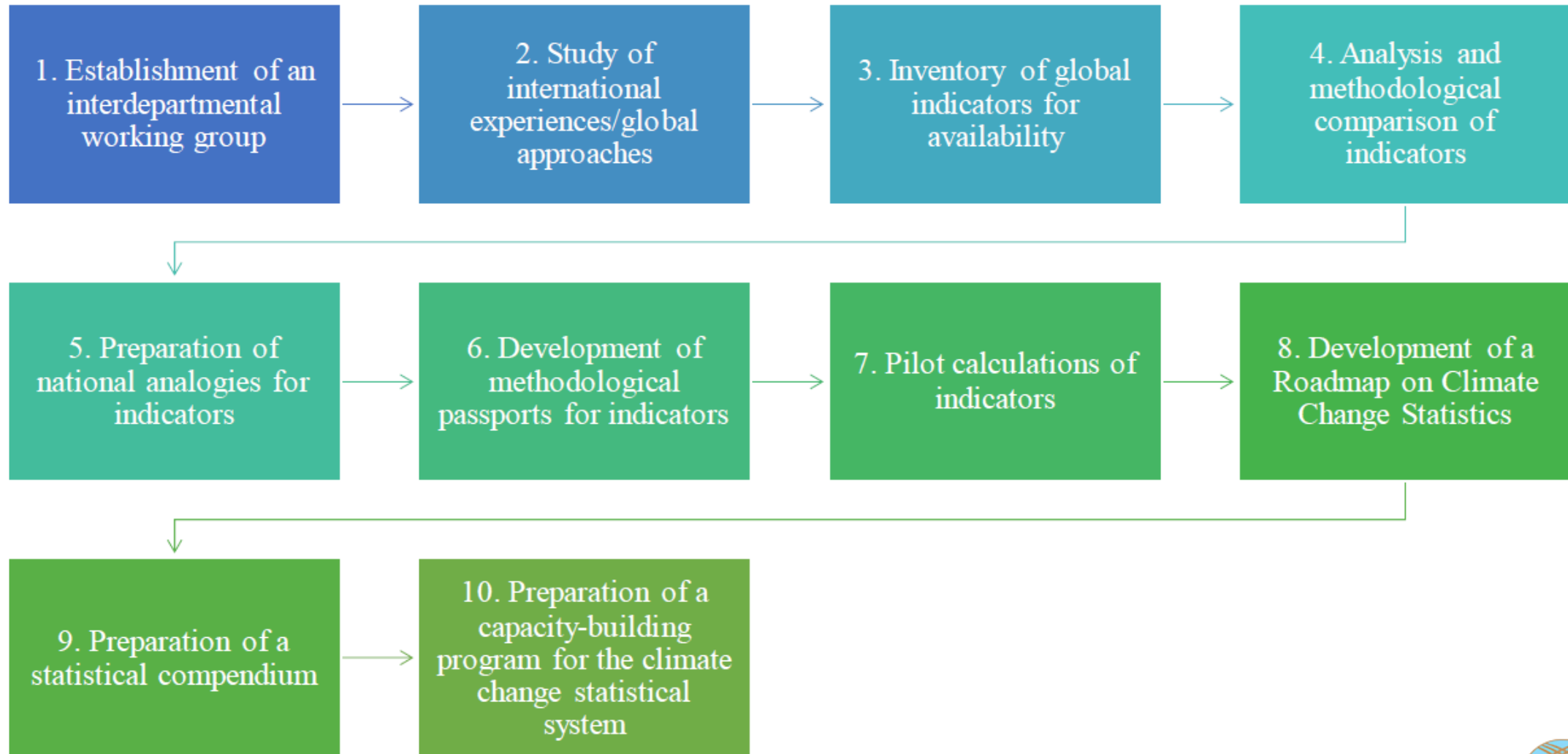
Statistical Program for 2024, Approved by Resolution of the Cabinet of Ministers of the Kyrgyz Republic dated October 25, 2023, No. 572 - “28. Development of Methodological Regulations and Indicators on Climate Change Statistics”

National Action Plan for Achieving Gender Equality in the Kyrgyz Republic for 2022-2024 - Task 41.
Improving the system of collecting and analyzing statistical data on the gender aspects of climate change and access to natural resources

"On the declaration of the period 2023-2027 as the Five Years of Action for the Development of Mountain Regions" Decree of the President of the Kyrgyz Republic dated September 15, 2023 No. 237 - Chapter 2.
Improving the quality of life of the population and the natural environment, Chapter 4. Reducing the risk of natural disasters and mitigating the effects of climate change in the mountainous zone



Generating Indicators for Climate Change Statistics



**Set of statistical climate change indicators
(95 indicators)**

System-wide indicators
reflect the national dimensions of the climate agenda
(36 indicators)

Sectoral indicators
reflect sectoral aspects of the climate agenda
(59 indicators)

Agriculture and Irrigation
sector indicators

Health
sector indicators

Disaster and Emergency Management
Sector Indicators

Biodiversity and Forest Conservation
Sector Indicators

Water sector indicators

Cities and Human Settlements
Sector Indicators

Waste sector indicators

Industrial Processes and Production sector indicators

Energy sector indicators

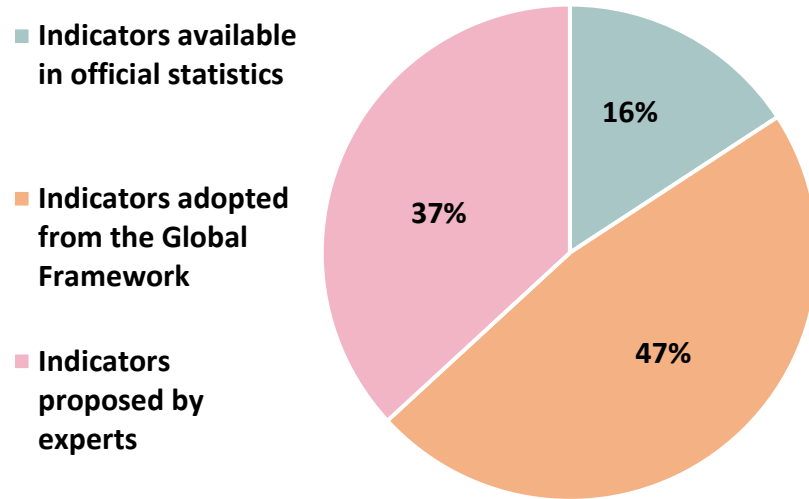


Quantitative Characteristics of a Set of Statistical Climate Change Indicators

Indicator groups	Number of indicators, total	including by global set areas				
		Factors	Impacts	Vulnerability	Mitigation	Adaptation
System wide	36	17	2	6	6	5
Agriculture	12	2	4	2	–	4
Health care	7	–	3	4	–	–
Disaster and emergency management	9	–	4	2	–	3
Conservation of biodiversity and forests	10	–	3	2	1	4
Water management	4	–	2	2	–	–
Cities and settlements	8	2	–	3	1	2
Waste	3	1	–	–	–	2
Industrial processes and production	3	1	–	–	1	1
Energy	3	2	–	–	1	–
TOTAL:	95	25	18	21	10	21



Roadmap for improving climate change statistics in the Kyrgyz Republic



15 indicators have methodological and informational support

45 indicators either methodologically or informationally sound

35 indicators have neither methodological nor information support

Stage 1. 2025-2026 Short-term interventions.

Indicators for which methodology and information support is available

Stage 2. 2027-2031 Medium-term interventions.

Indicators for which either methodology or information support is lacking

Stage 3. 2032-2036. Long-term interventions.

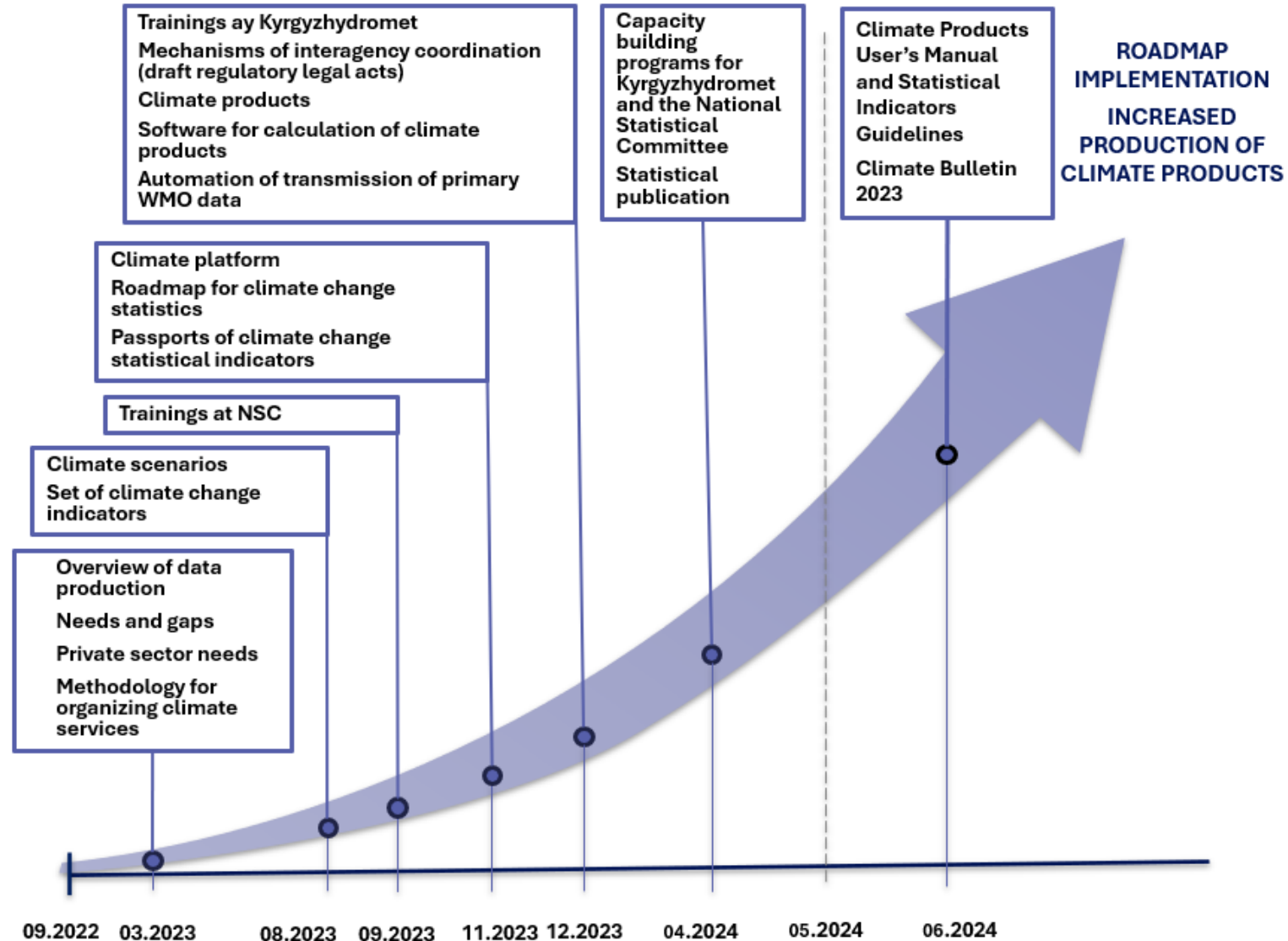
Indicators for which both methodology and information support are currently lacking

Key results/achievements of the National Statistical Committee of the Kyrgyz Republic

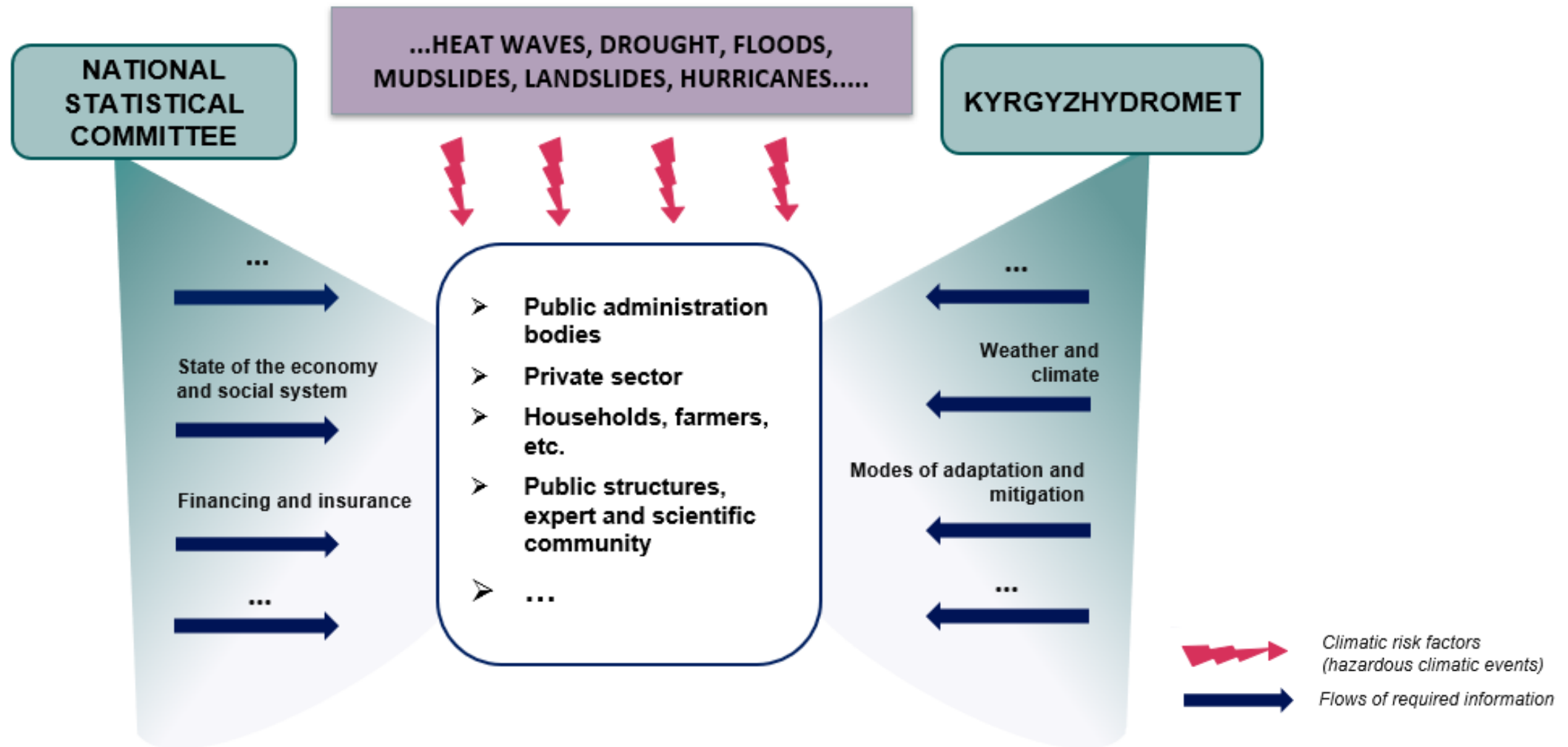
- **Determining the importance and role of climate change statistics.**
- **Development of the National Set of Climate Change-Related Indicators (to be reviewed and approved at the Methodological Council of the National Statistical Committee).**
- **Development of the methodology and metadata for the indicators.**
- **Preparation of the Roadmap for Improving Climate Change Statistics.**
- **Release of the statistical digest “Climate Change Indicators in the Kyrgyz Republic”.**
- **Capacity building of specialists of the National Statistical Committee specialists and other producers of climate change related statistics.**



Project process and results regarding new climate change statistics in the Kyrgyz Republic



Climate services – a necessary factor for successful implementation of the climate agenda of the Kyrgyz Republic



Project results

Institutional strengthening

- Proposals for amending regulatory legal acts of the Kyrgyz Republic on hydrometeorology and official statistics in terms of production and provision of climatic information
- Draft regulatory legal acts on establishing the mechanisms of interagency coordination
- Methodology for organizing climate services, including Kyrgyzhydromet's interaction with the private sector
- Roadmap for improvement of climate change statistics
- Climate Products User's Manual and Climate Change Statistical Indicators Guidelines

Organizational improvements

- Proposals on changes in the structure of Kyrgyzhydromet subdivisions in charge of production and provision of climatic data and indices
- Proposals on changes in the structure of subdivisions of the National Statistical Committee in charge of production and provision of climate data and indices
- Interagency coordination mechanisms in the production of official climate change statistics in the Kyrgyz Republic
- Software and databases for calculation of climate products (indices) for Kyrgyzhydromet

Well-established operational processes

- Inter-agency coordination in the production of official climate change statistics
- Platform for engagement with the private sector
- Software for calculation of climate products
- Databases for climate information production

Project results

Knowledge and skills

- Set of measures to improve skills and knowledge of specialists of the National Statistical Committee in the following areas: effective climate reporting, formation of climate change statistical indicators, negative climate impacts on sectoral activities and climate risk management, etc.
- A set of measures to improve skills and knowledge of Kyrgyzhydromet specialists in the following areas: equipment operation, streamlining the database structure, digitization of scanned materials, data management using GIS, operating unmanned aerial vehicles, modeling and scenario analysis of climate change, etc.
- 10 trainings at the National Statistical Committee
- 12 trainings at Kyrgyzhydromet
- Climate Products Users' Manual
- Climate Change Statistical Indicators Guidelines

Content

Climate products (indices)

- Light-frost days
- Frost days
- Duration of growing season
- Beginning of growing season
- End of growing season
- Sums of temperatures of growing season
- Heat-wave days
- Cold-wave days
- Maximum duration of droughts
- Forest burning index
- Temperature transitions through 0°C

New realities

NATIONAL CONTEXT

Kyrgyzhydromet and National Statistical Committee have strengthened and developed their skills in interacting with consumers of climate data and information to adequately reflect the needs, actions and results in climate adaptation and climate impact reduction.

Kyrgyzhydromet and National Statistical Committee have obtained a systematized scientific and calculation base for regular production of climate change data, climate bulletins and statistical compilations.

INTERNATIONAL CONTEXT

The Kyrgyz Republic continues to be an active player on the international climate agenda, successfully participating in international reporting and comparisons.

Strengthening the international position of the National Statistical Committee in informing and expanding the transparency framework for climate action

Strengthening the international position of Kyrgyzhydromet, its status of an active participant in the processes led by WMO

Thank you!



**National Statistical Committee
of the Kyrgyz Republic**

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