

## Synopsis of Status

Institutional capacity building program  
between  
Norway and Georgia

Program period  
Years 2018-2023

## **Synopsis of status for Cooperation Areas (CAs) 1-16**

### **CA1: Scholarships for M.Sc. degrees in engineering at NTNU**

#### **Originally planned output:**

Between 10 and 12 students completed MSc. at NTNU in Norway

#### **Revised output in October 2019:**

4 candidates accepted and carrying out studies at NTNU

#### **Result management for CA1:**

Aim 1: Communication with target groups

Aim 2: Candidates pre-vetted by local institution

Aim 3: Candidates provided financing letter to study at NTNU

Aim 4: Students started a 2 years study at NTNU

Aim 5: Students returning to Georgia to find work opportunities

#### **Results achieved:**

Dec. 2018: One candidate submitted application but did not pass English test.

Dec. 2019: One candidate accepted and received finance letter, but withdrew application

### **CA2: ICH training programs**

#### **Originally and currently planned output:**

Yearly training sessions in hydropower development subjects completed for staff at MOESD and NEA.

#### **Result management for CA2**

**Aim 1:** Increase competence about hydropower development for employees in public sector institutions

**Aim 2:** Increase know-how about conflict resolution and hydropower project for developers and key staff in MOESD working with renewable energy

**Aim 3:** Increase awareness about conflict resolution and hydropower for local municipalities and key staff in MOESD

**Aim 4:** Increase awareness about communication, renewable energy and benefit sharing for local municipalities.

#### **Results achieved:**

3-day course in hydropower financing held in Georgia in 2018. 14 representatives from institutions.

2-day course in hydropower development and conflict resolution held in 2019 with 18 participants from developers and public sector institutions.

2-day course in hydropower and conflict resolution held for 17 reps. from municipalities in Batumi.

2 staff members in MOESD at a 5-day course in Conflict resolution at ICH in Trondheim Norway.

### **CA3: Climate change projections**

#### **Originally planned output:**

Report on climate change projections for runoff done by 2020

#### **Revised output in May 2018:**

Report on climate change projections for runoff done by 2021 for a selected basin

#### **Result management for CA3**

Aim 1: Collect and QA data from historical measurements 1930-1990

Aim 2: Supplement with recent data from metering of inflows to hydropower stations

Aim 3: Model setup and analyze

Aim 4: Generate scenarios, review outputs and analyze results

Aim 5: Report on climate change impacts on floods, droughts and hydropower production

#### **Results achieved:**

Data on paper records have been digitalized in IT system between 2016-2017. In 2017 a report on the hydropower potential for Georgia was made including an internet GPS detailed map of potential sites and manuals of costs basis for HPPs. Data collected from this period was supplemented with some hydropower inflow data and a model is currently being pre-processed for review of selected basin.

### **CA4: Hydrological and meteorological data management system**

#### **Originally and currently planned output:**

Data system for hydrometeorology is functioning well.

#### **Result management for CA3**

Aim 1: Mapping of present situation and demand

Aim 2: Install main system and train IT-support technicians

Aim 3: Identify areas for important improvements

Aim 4: Reinvest in critical IT-equipment to support hydromet. system

Aim 5: Extended hydrological software with Web interface (install./train.)

Aim 6: Development of routines for system integration (incl. data export and import)

Aim 7: Maintenance and support for continuous use and development

**Results achieved:** Installed and trained personnel on hydromet system. Started procuring critical IT-components. Upgraded with new version of hydromet system, including web interface. Training agreed, but postponed due to Corona situation.

### **CA5: Modelling tools for water resources management**

#### **Originally planned output:**

WEAP-model operational.

#### **Revised output in Oct. 2019:**

Install and train in use models and tools to support analysis and do study reports.

Aim 1: Install main system and train users

Aim 2: Arrange seminars to share information about areas of application of hydro met modelling data, identify benefits to society and target groups.

Aim 3: Establish cross sectoral working group to share data

**Results achieved:** System procured, installation done and two training sessions for users carried out by Hydrology department in NVE for users involved in flood management in NEA. Work on setting up a cross sectoral working group on hydrological data and modelling has been planned and a draft mandate for this group has been presented to NEA. Seminar was planned in April, but postponed due to Corona situation.

## **CA6: Road map for power market development**

### **Originally planned output:**

Report on the road map completed

### **Revised output in Oct. 2019:**

Discontinued activity

## **CA7: Grid integration study Georgia-Turkey**

### **Originally planned output:**

Report and recommendations completed

### **Revised output in Oct. 2019:**

Discontinued activity

## **CA8: Draft renewable energy law**

### **Originally planned and completed output:**

Draft law submitted to Parliament

### **Goal achieved in 2019**

## **CA9: Project Management and Coordination**

### **Originally planned output:**

Plan and carry out 2 study visits to Norway.

### **Revised output in May 2018:**

Made into a separate Cooperation Area, CA11

### **Results achieved**

Planned quarterly coordination meetings in cooperation with contacts in NEA and MOESD. Planned implementation of CA 12-16 together with key program partners in MOESD. Planned and implemented seminars for start-up of cross sectoral working groups. Planned and implemented seminars for regional municipalities and project developers. Arrange programs for training courses and seminars at NVE in Oslo and ICH in Trondheim for energy sector institutions in Georgia.

## **CA10: Taxation schemes**

### **Originally planned output:**

None was made

**Discontinued in May 2018.**

## **CA11: Study visit**

### **Originally and currently planned output:**

Arrange study tours to Norway

### **Result management for CA11**

Aim 1: Invite members of MOESD and other key public sector stakeholders to Norway for study tour in energy markets, hydropower development and energy efficiency.

Aim 2: Invite members of NEA and new working group members to Norway to learn about resource management from NVEs perspective and development of the renewable energy in the Nordic region.

### **Results achieved:**

Study tour arranged to Norway in 2019 for 3 visitors from MOESD. Seminar on revenue sharing arranged with 2 invitees from MOED and 1 from Ministry of Finance of Georgia. A delegation of 10-12 visitors was planned with a program for study visit Norway in June 2020, but postponed due to Corona situation.

## **CA12: Resident Advisor (RA)**

### **Original planned and current output:**

Resident advisor from NVE to work for MOESD in Tbilisi for 1 year with option to extend with 1 year.

**Results achieved:** RA has been team leader for the cross sectoral working group on communication – coordinating work on strategy for communication, which has been drafted. This includes areas for implementation of solutions to improve information sharing between stakeholders and the population. RA has been instrumental in coordination of new initiatives such as revenue sharing and design and tailor making courses and seminars for public institutions in Tbilisi as well as municipalities.

## **CA13: Communication platform**

### **Original and current planned output:**

Surveys of improved awareness of impacts of renewable energy in target groups

### **Result management for CA13**

Aim 1: Plan and implement working group activities

Aim 2: Draft communication strategy

Aim 3: Analyze improvement areas

Aim 4: Implement solutions

Aim 5: Solution and concept for revenue sharing implemented

Aim 5: Review and recommend new frameworks

Aim 6: Arrange national energy seminar

**Currently achieved:** Working group is established and meet regularly. Communication strategy has been drafted and alternative solutions have been identified. Revenue sharing study has started but visit to the regions mostly affected by new hydropower projects had to be postponed due to Corona situation.

**CA14: Legal support**

**Original and current planned output:**

Draft of new regulations for renewable energy support schemes.

**Result management for CA13**

Aim 1: Plan and implement process

Aim 2: Draft concept notes

Aim 3: Facilitate hearings

Aim 4: Review feedback and propose alternatives

Aim 5: Draft regulations

**Currently achieved:** Concept note has been approved. Draft regulations currently being reviewed and commented.

**CA15: Misc.**

**Original and current planned output:**

None – back up for unforeseen situations

**Currently achieved:** Pre-implementation of communication activities in Q2 2019. Initial risk management and readiness activities in connection with the Corona situation in Q1 2020.

**CA16: Continuity**

**Original and current planned output:**

Sustain key activities and mitigate loss of physical meetings and direct communication.

**Currently achieved:** Started up mapping of current licensing process. First report meeting is next week.

**Implementation plan**



