

FINAL

INOGATE Technical Secretariat Regional Work Plan

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Abbreviations and acronyms

AA	Association Agreement
AHEF	Ad Hoc Expert Facility
AP	Action Plan
CEN/CENELEC	The European Committee for Standardization / The European Committee for Electrotechnical Standardization
CWP	Country Work Plan
E & G	Electricity and Gas
ECT	Energy Community Treaty
EE	Energy Efficiency
EnC	Energy Community
ENPI	European Neighbourhood and Partnership Instrument
ENTSO-E	European Network of Transmission System Operators for Electricity
ENTSO-G	European Network of Transmission System Operators for Gas
EPC	Energy Performance Contract
ESAP	Energy Statistics Action Plan
EU	European Union
INO GATE	Energy Cooperation between the EU, the Littoral States of the Black & Caspian Seas and their Neighbouring Countries
ITS	Inogate Technical Secretariat
LDAR	Leak Detection and Repair
PC	Partner Country
PIMS	Pipeline Integrity Management System
RES	Renewable Energy Sources
RM	Road Map
RWP	Regional Work Plan
SE	Sustainable Energy
TA	Technical Assistance
TEG	Technical Experts Group
TSO	Transmission System Operator

Introduction

The overall purpose of the Regional Work Plan (RWP) for the project period February 2015 – April 2016 is to define the regional INOGATE activities to be carried out in order to foster capacity building on a common ground, exchange of knowledge and experience relevant for regional cooperation, and practical steps towards improved energy policies, harmonization of standards, cross-border trade in electricity and gas, increased energy efficiency and use of renewable energy sources, and improved energy planning based on improved energy statistics systems. The RWP combines activities that support similar needs and capacity building of larger target groups of participants from several PCs. The activities are common to the INOGATE region and are in line with the ITS Strategy.

This document outlines the ITS analysis of the regional needs and priorities.

The proposed activities take into account the bilateral and trade agreements of the EU and the PCs as well as other EU projects and the activities of other donors in a PC.

The events are targeting relevant decision-makers in PCs, such as members of Technical Experts Group for the Electricity and Gas Sector, members of the Energy Statistics Network for the Statistics sector, and other stakeholders as agreed in each case.

This regional work plan has been drafted by ITS in consultation with the EC.

Section 1 The current positioning of INOGATE

INOGATE is an EU regional cooperation instrument, that is based on inter and intra-regional cooperation of Partner Countries and capacity building, focusing on the following areas:

- Technical and regulatory advice on energy security, energy markets efficiency and development;
- Implementation of energy efficiency and renewable energy policies;
- Energy and economic planning through the use of improved energy statistics;
- Facilitating energy efficiency and renewable energy investments.

The ITS provides short or medium-term technical assistance in these areas at regional and country level.

Section 2 Energy issues and regional energy policy priorities

The main energy issues facing the partner countries are:

- Energy supply security, focusing on availability, reliability and cost of sources;
- Energy trade and cooperation, focusing on regulation, rules and agreements;
- Efficiency of the energy infrastructure, focusing on technical standards;
- Energy efficiency, focusing on the entire cycle of production, transmission, distribution and final uses of energy.
- Utilisation of renewable energy sources, focusing on wind, hydro, solar, and bio-fuels;
- Financing of energy projects, focusing on sources of finance and financing mechanisms.

The issues are dealt with by the partner countries and the EU through energy policies at national as well as regional and international level. The priorities for the regional cooperation in the sphere of energy for the period 2015-2016 are shown in Table 1. Besides the regional priorities, the participating countries pursue a number of national priorities for their cooperation with the EU through implementation of national work plans.

Table 1: Priorities for regional cooperation for 2015-2016

Priorities
Energy supply security.
Energy trade and cooperation.
Harmonization of electricity and gas standards for development of cross-border trade. Implementation of respective regulations.
Efficiency of the energy infrastructure.
Energy efficiency.
Utilisation of renewable energy sources.
Financing of energy projects.
Development of energy statistics and energy planning tools.

Section 3 Achievements of the regional cooperation

Since 2012 partner country representatives have actively participated in all regional seminars, study tours and other activities listed in Table 2. These activities have been carried out, and have achieved immediate results. The impacts are expected in the short term (within a couple of years), in the medium term (around 5 years), and in the long term (around 10 years).

Table 2: Completed regional activities in 2011-2014

Implemented/ongoing Activities	Results	Impacts	Areas
ELECTRICITY AND GAS			
Combined Event and Study Tour - Capacity building for the Regulatory Authorities, Vienna, Austria and Bratislava, Slovakia, 9 – 11 October 2013.	Awareness created among participants on the role of an independent energy regulatory authority. The participants gained knowledge of regulatory tools in use in the EU (licensing, disputes resolution, etc.).	In the medium to long term: Fair and transparent market rules and regulation, leading to improved investment climate.	Regulatory Issues/Market Rules.
Regional seminar on tariffs, October 2013, Budapest.	The participants gained knowledge of methods used in the EU for tariff setting and for development of strategies and plans for reforming the tariff system.	In the medium to long term: Tariff methodologies are reformed and cost-reflective and incentive based tariffs are in place, and take into account socially vulnerable groups.	Development/review of tariff methodologies.
Regional study on electricity and natural gas tariffs.	Participants obtained an overview of tariff methodologies in EU; comparison of tariff methodologies of PCs	In the medium to long term: Tariff methodologies are reformed and cost-reflective and incentive	Development/review of tariff methodologies.

Implemented/ongoing Activities	Results	Impacts	Areas
	with EU practices and identification of gaps and methods to improve the current methodologies in force in the PCs.	based tariffs are in place, and take into account socially vulnerable groups.	
Regional Seminar: Moving towards a new approach on standardisation and harmonisation of Electricity and Gas standards and codes. 29-30 January 2013, Brussels.	Capacity built among participants on the new EU approach on standardisation.	In the medium to long term: Standardisation systems of PCs aligned with the EU standards, allowing for adoption of the EU standards and focus on technical barriers to trade of electricity and gas.	Harmonization of Electricity and Gas Standards.
Regional Seminar on Harmonisation of Standards, Standardisation Road Maps (RM) and Action Plans (AP)	Capacity built among participants on the tool of Standardisation Road Map and Action Plan. Planning skills of the beneficiaries are improved.	In the medium to long term: PC standards in the electricity and gas sectors are harmonised, and possibly aligned with the EU system.	Harmonization of Electricity and Gas Standards.
Regional study on the Overview of Standardization Systems	Report comprising a review of the standardization systems of the PCs and the secondary legislation (including technical regulations), recommendations concerning the ways to transform current PC system to be in line with the EU system.	In the medium to long term: PC standards in the electricity and gas sectors are harmonised, and their standardization systems are possibly aligned with the EU system.	Harmonization of Electricity and Gas Standards.
Regional seminar on capacity building of National Standardisation Bodies (NSBs), 8-11 July 2013, seminar in London and study visit to British Standards Institution (BSI) head office and BSI laboratories in Loughborough.	BSI structure and methods in the development of standards was discussed. Testing laboratories were shown and procedures discussed.	In the medium term: Improved functioning of NSBs, identification of technical barriers to trade, and improved regional cooperation.	Harmonization of Electricity and Gas Standards
Study Visit "Gas Transmission Aspects" – Bonn and Essen 9-11th April 2014.	The participants gained knowledge of gas transmission practices in Germany and understanding of	In the medium term: Development and adoption of gas functional standards. Modernisation of gas	Harmonization of Electricity and Gas Standards.

Implemented/ongoing Activities	Results	Impacts	Areas
	how standards can be incorporated into the legal framework, as well as the usefulness of the harmonized European Standards.	infrastructure.	
Regional seminar and study tour on cross-border trade in gas, Venice, Italy, May 2013.	The participants gained strong background knowledge and understanding of the EU practices in respect of Cross Border Trade.	In the short to medium term: Increased cross-border trade of gas.	Cross-border Trade of Electricity and Gas.
Regional seminar on cross-border trade in electricity, Brussels, Feb 2013.	Capacity built amongst representatives on EU practice in cross border trade and cooperation in electricity. Familiarity created amongst key technical stakeholders on establishing peer-working groups for regional markets.	In the short to medium term: Increased cross-border trade in electricity.	Cross-border Trade of Electricity and Gas.
Regional study on EU technologies and methodologies to combat gas losses.	Capacity built among policy makers and gas industry practitioners on ways in which methane leakages in gas pipelines can be reduced.	In the medium to long term: Reduced gas losses and reduced greenhouse gas emissions.	Efficiency of Electricity and Gas Infrastructure.
SUSTAINABLE ENERGY			
ITS organised a regional study tour on bio-energy and a combined event (training course and study visits) on sustainable energy (SE) policy.	Capacity built among participants on bio-energy and policies in SE.	In the medium to long term: Increased share of SE in total energy production.	Development of SE Policies and Strategies.
ITS performed a baseline survey on institutional and regulatory frameworks in SE in the INOGATE PCs.	Policy makers are better informed about the status of implementation of SE policies in the region. leading to more	Policy makers are enabled to promoting reform in the SE area including adoption of the EU best practice.	Improvement of SE Policy.

Implemented/ongoing Activities	Results	Impacts	Areas
	critical examination of steps needed to improve national legislation framework.		
A scoping study in the European Neighbourhood and Partnership Instrument (ENPI) countries, for the development of a geospatial RES mapping tool.	Scoping studies for RES maps prepared for each of the participating countries.	In the short term: RES maps prepared. In the medium to long term: increased use of renewable energy sources.	Development of SE Policies and Strategies.
A combined training course and study visit on sustainable energy (SE) financing.	Capacity built among participants on EU experience in assessment and financing of SE EE and RES projects.	In the short to medium term: Increased investments in EE and RE projects. Increased volume of sustainable energy in the energy mix of the PCs.	Investment Facilitation.
ENERGY STATISTICS			
<p>An international Conference on the role of energy statistics on national and international policies; (Copenhagen , April 2013)</p> <p>A joint ITS/IEA Training and two study visits on energy statistics, balances, prices and energy efficiency indicators; and</p> <p>Two Energy Statistics Network (ESN) meetings.</p> <p>An international Conference on achievement of ESAPs and importance of improvement of data quality for energy statistics, balances and planning, and an ESN meeting, Zagreb, November 2014.</p>	<p>ESAPs endorsed by 9 PCs;</p> <p>Increased capacity building in PCs in collection and compilation of energy statistics, balances, energy prices and energy efficiency indicators.</p> <p>The institutional framework for energy statistics in PCs improved.</p> <p>Awareness raised on the importance of accurate, reliable and consistent energy statistics.</p> <p>Energy Statistics Network established.</p> <p>Information on energy statistics exchanged and know-how transferred</p>	<p>In the short to medium term: Reliable and consistent energy statistics, balances and indicators are compiled and disseminated in PCs.</p> <p>In the medium to long term: Energy statistics in PCs harmonised with European and international standards.</p> <p>In the short to medium term: Increased use of energy statistics in policy and decision-making in the PCs.</p>	Energy statistics systems improvement

Implemented/ongoing Activities	Results	Impacts	Areas
	among the PCs.		

Section 4 Work Plan for regional cooperation

In the work plan for the period 2015-2016 emphasis is given to those areas of intervention which are in line with the proposed new INOGATE strategy, bringing tangible results and impact, and have no duplication with other EU programmes and assistance provided by multilateral and bilateral donors.

The top priority planned regional activities for the extension period 2015- 2016 are listed in Table 3, and the secondary activities are listed in Table 4.

Table 3: Top priority planned activities for the regional cooperation in 2015-2016

Reference numbers	Activities	Expected results	Expected impacts	Areas
CROSS-CUTTING ACTIVITIES				
RWP.01.	Four high level large events. Presentation of the Energy Policy Compendium of 11 INOGATE partner-countries in Eastern Europe, Caucasus and Central Asia (INOGATE Status Report) to be jointly organised by the IEA and ITS.	Visibility of the profound energy policy compendium achieved among policy-makers of partner countries about recent development of energy policies.	In the medium to long term: Policy makers are aware of the status of energy policies in PCs. Also such publications attract investors and promote reforms.	Policy development, Awareness raising, Investment climate improvement.
ELECTRICITY AND GAS				
RWP.03.	Seminar (in the form of an interactive dialogue): An exchange of current PCs practices and share of EU experience on Electricity and Gas Sectors through regulation and tariffs, licenses and permitting procedures, markets and monitoring.	An intra-INOGATE exchange of practices and experiences with the purpose of achieving homogenous workable solutions in the region. In addition comparison and replicability assessment of relevant EU practices (i.e. market and infrastructure packages).	Better regulation of the Electricity and Gas sectors in the INOGATE PCs. In the medium to long term: Joint regional and bilateral investments in energy infrastructure, such as interconnections.	Development/ review of tariff methodologies.
RWP.05.	Final event to mark completion of work on Road Maps and Action Plans. Work done and next steps are on development	The status of implementation of Action Plans, results and constraints discussed. Next	In the medium term: EU standards are adopted and implemented in the electricity and	Harmonization of electricity and gas standards

Reference numbers	Activities	Expected results	Expected impacts	Areas
	and adoption of EU standards.	steps defined.	gas sector.	
SUSTAINABLE ENERGY				
RWP.07.	ITS Combined Event (workshop and study visit to Ireland): SE Awareness raising.	Capacity built among participants to create and operate awareness raising and information centres and implement awareness raising activities for various groups.	In the short term: Increased awareness in the PCs of SE, and promotion of SE solutions and policies.	Development of Sustainable Energy Policies and Strategies.
RWP.08.	ITS Combined Event (workshop and study visit) on benefits and requirements of EU Directive on Energy Performance in Buildings (2010/31/EU) as a follow-up to the ESIB activities.	Capacity built among participants on policies improving EE in buildings.	In the medium to long term: Improved energy efficiency in new and existing buildings.	Development of Sustainable Energy Policies and Strategies.
RWP.10.	One ITS Regional Workshop on financing of EE/RES investment projects, Kiev, Ukraine, for those PCs which have not yet participated.	Awareness created among participants on financing models and architectures applicable for EE/RES investments.	In the short to medium term: Increased volume of SE investment projects.	Investment facilitation
RWP.11.	One Regional workshop - Information Event "Bankers' Training for Sustainable Energy Credit Lines" (handover)- with participation of Local Financial Institutions (LFIs) and IFIs.	Training materials prepared by ITS used to build capacity of Local Financial Institutions (LFIs) on financing of SE.	In the short to medium term: Increased number of IFI credit lines resulting in SE investments.	Investment facilitation
NEW	Geospatial mapping for sustainable energy investment, taking into account the following national priorities in RES such as geothermal, solar, wind and biomass.	GeoExplorer platform operating, maintained and updated with relevant maps.	New investments in sustainable energy projects.	Investment facilitation
ENERGY STATISTICS				
RWP.12.	Regional Workshop to provide	Capacity built on calculation of	In the short to medium term:	Energy statistics system improvement

Reference numbers	Activities	Expected results	Expected impacts	Areas
	additional training on energy efficiency indicator calculation based on data collected by the PCs.	energy efficiency indicators. Experience exchanged and know-how transferred among PCs. Energy efficiency indicators prepared.	Improved energy efficiency measures and polices. In the short term: Improved basis for energy planning; hence increased use of energy statistics for policy and decision making.	
RWP.14.	Regional Workshop on the use of energy statistics, balances and energy efficiency indicators for energy planning. Emphasis will be given to energy policy development through credible forecasts and policy impact quantification methods	Knowledge gained on processes, methodologies and tools used internationally for the development of their national energy policies and strategies. Policy makers and energy analysts in PCs cooperate in making best use of energy statistics, balances and indicators for energy planning purposes.	In the short term: Increased use of energy statistics, balances and energy efficiency indicators for energy planning purposes. Energy policies and strategies in PCs become a process of consultation among designated stakeholders. Energy policy options are quantified in terms of their expected impact and assessed accordingly.	Energy statistics system improvement
RWP.15.	Energy Statistics Network meeting.	Opportunity created for statisticians to discuss with colleagues. Know-how transferred and regional cooperation on energy statistics increased.	In the short, medium and long term (depending on PC): Sharing of knowledge. This ESN has a strong impact on the wider networking of PCs for updating their statistics systems.	Energy statistics system improvement
RWP.13.	Regional Workshop/Training to compile first official integrated energy balances for AM, KG, TJ.	Capacity built on preparation of energy balances. Annual integrated energy balances and/or joint energy questionnaires improved and developed.	In the short, medium and long term: Improved energy statistics and balances, harmonised with European and international standards.	Energy statistics system improvement

Reference numbers	Activities	Expected results	Expected impacts	Areas
			In the short, medium and long term: Increased use of energy statistics and improved energy planning and decision making.	
COMMUNICATION AND AWARENESS RAISING				
RWP.16	Visibility Plans based on Achievements and Work plans. Prepare a regional map of the RES maps in the ITS website.	INO GATE activities and results made visible. Regional map of the RES maps prepared.	In the short term: Increased awareness of the INO GATE Programme's usefulness in meeting Partner Countries' needs. Policy makers using information provided by regional tools such as the map of RES maps.	Sustainable energy
RWP.17.	Communication materials, e.g. Multi-annual report 2012-2014, Thematic leaflets, closing video, newsletters, website, etc.	INO GATE activities and results made visible.	Project results are used.	Visibility
NEW	INO GATE Final Conference spring of 2016	INO GATE Activity results disseminated and endorsed	Renewed impetus to the cooperation between the EU and the Partner Countries.	Visibility

Table 4: Secondary priority planned activities for the regional cooperation in 2015-2016

Reference numbers	Activities	Expected results	Expected impacts	Areas
SUSTAINABLE ENERGY				
RWP.09.	ITS Combined Event (workshop and study visit) on lessons learned on Energy performance contracts (EPC), EU experience and applicability in the PCs.	Capacity built among participant on the implementation of EPC using different ESCO savings structures.	In the short to medium term: Increased use of EPCs and ESCO solutions leading to improved energy efficiency.	Development of Sustainable Energy Policies and Strategies.