



Coordination Committee 2012-2015

Committees Updates

PGCA; Sustainability

Satoshi YOSHIDA, Chair

October 16, 2012

@ 2nd meeting,  Ottawa, Canada

Coordination Committee 2012-2015



Meeting 2

Ottawa, Canada, 16 October 2012

Status Report


PGCA



Membership / WOC1 and PGCA

- PGCA Nominated members : 45 (as of 13/09)
- Sapporo Meeting attendees : 47 (WOC1: 14 , PGCA: 33)



Chair: Satoshi Yoshida, Tokyo Gas, Japan 

Vice Chair & SG4 Leader, TBD, Argentina 

SG1 Leader: Hiromichi Kameyama, Tokyo Gas, Japan 

SG2 Leader: Elbert Huijzer, Liander, Netherlands 

SG3 Leader: Anne-Prieur-Vernat, GDF SUEZ, France 

Secretary: Masao Takekawa, Tokyo Gas, Japan 

Meetings Schedules / PGCA

🔹 Date and location of the 6 meetings

	PGCA Meeting	Executive Committee Meeting
2012	25-28 September, Sapporo	16-19 October, Ottawa
2013	18-21 February, Rio de Janeiro	9-11 April, Seville
	Sep-Oct, tbd	22-25 October, Beijing
2014	March, tbd	25-27 March, Brisbane
	Sep-Oct, tbd	14-17 October, Berlin
2015	Feb - March, tbd	24-26 March, Cairo
		1- 5 June, Paris (WGC)





PGCA Study Groups

Study Groups : work progress / PGCA


PGCA Study Group 1: Carbon Capture and Storage

- ◆ Leader : Hiromichi Kameyama, Tokyo Gas, Japan
- ◆ Progress detail :
- ◆ Members agreed on the basic work plan of this triennium (6members registered from Algeria, France, Iran, Japan, Malaysia)
- ◆ Collaborating with WOC1 on geological, WOC2 on storage, WOC3 on CO2 pipeline issues
- ◆ 1st year : Checking ongoing and planned CCS projects and discussion about the "Work contents"
 - 1. Technology(Link with renewable energy, Specific CO2 capture technology for gas turbines), 2.Feasibility, 3,Legal frame, 4.Public acceptance, etc.---
- ◆ 2nd year : Discussing about the " Critical points for the development of CCS for gas" and will make CCS road map based on it.
- ◆ 3rd year : Finalizing the report and the presentation.



Study Groups : work progress / PGCA

PGCA Study Group 2:Natural Gas and Renewable Gas

- ◆ Leader : Elbert Huijzer, Liander , Netherlands 
- ◆ Progress detail : 5 members present, 2 apologies;
- ◆ No members from developing countries – task on off-grid biogas projects will be hard to fulfill;
- ◆ Members will prepare country reports for next meeting;
- ◆ Other countries will be taken on board by personal contacts or a questionnaire;
- ◆ Issue of “integrated grid” will be vision document on “integrated energy services”, collaborating with PGCF;
- ◆ The LCA task will be taken up by an Environmental and Social Impact Assessment;
- ◆ Perspectives on renewable gases will be presented;
- ◆ Issues addressed to specific members;



*Renewable gases will and have to be a part of the new energy mix.
An objective approach relating to local conditions and economics
should be applied.*

Study Groups : work progress / PGCA

PGCA Study Group 3: LCA study of the Natural Gas Chain

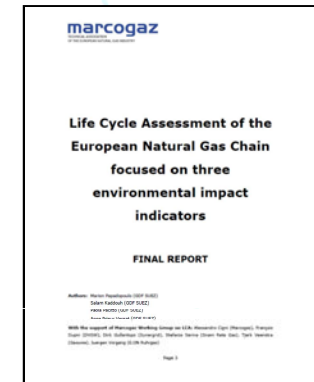
Leader : Anne-Prieur-Vernat, GDF SUEZ, France

Progress detail :

Objectives :



- ✓ Set up an international database for LCA of the NG chain
- ✓ Update results of LCA applied to various regional supply chain
- ✓ Identify the hotspots of the NG chain from an environmental point of view
- 7 members in the list (from Algeria, Belgium, France, Iran, Japan, Korea)
- Work plan agreed until WGC 2015
- Collaborate with PGCD on LNG/LCA , WOC3 on transmission issues
- Scope and indicators to be assessed have been defined
- First draft of questionnaire for environmental data collection discussed within SGA.3 (to be circulated by the end of October)



Study Groups : work progress / PGCA



PGCA Study Group 4: Environmental Aspects of Unconventional Gas

- Leader : **TBD, Argentina**
- Progress detail :
Members agreed on the proposed work plan of this triennium
(Members from Algeria, Iran, Japan, Korea and an observer from Exxon Mobil Gas & Power Marketing attended the meeting.)
Collaborate with
WOC1 on the latest exploration and production technologies,
WOC3 on public perception and middle infrastructure issues.

Members are to share basic information (IGU reports, IEA reports, and other “must read” materials) and leader is to list up and categorize all the arguments and discussion points until the next Rio meeting with some analysis on them.



Strategic vision 2012-2015; the 4 pillars



**HUMAN
RESOURCES
FOR THE
FUTURE**

**NATURAL GAS
FOR A SUSTAINABLE
DEVELOPMENT**

**NATURAL GAS
AVAILABLE
EVERYWHERE**

**COMBINATION
WITH RENEWABLES
& ELECTRICITY**



Yellow Pillar (renewables and electricity combination) :

COMBINATION WITH RENEWABLES & ELECTRICITY(SG2)

Natural Gas can stabilize and/or control the output of energy from unstable renewable sources (eg. PV, wind). Securing reliability of renewable energies will enhance the use of renewables. Biogas are produced and injected into natural gas pipelines in Europe. Biogas will realize greener gas.



Purple Pillar (Human Resources) :

Human Resources for the Future(SG1,2,3,4)

Natural gas is the blood of the global economy and will continue to nurture and enrich our lives. Demonstration of availability, environmental integrity, advanced technologies and will assure solid future of the gas industry and will attract young and bright talent of the future generation.

Green Pillar (Sustainable Development) :

NATURAL GAS FOR A SUSTAINABLE DEVELOPMENT(SG1,3)

Bridge/transitional energy to sustainable energy by Carbon Capture and Storage

Promotion of the environmental performances of the natural gas (LCA) will enhance the use of natural gas for securing sustainable development.



Red Pillar (Gas everywhere) :

NATURAL GAS AVAILABLE(SG2, 4)

Bio-methane could be produced from various sources (waste, animal manure etc.) in remote areas where gas pipelines do to serve. Off-grid bio-methane projects will supply methane gas for local use.

Abundant and omnipresent reserve, unconventional gas is expected to make natural gas more available. Environmental impact of UG exploration and production must be carefully examined and monitored in order to secure healthy development of this promising resource.

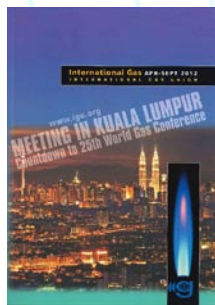
WGC 2015 sessions / PGCA

Proposed sessions for WGC 2015 :



- **1 Strategic Panel**
- **3 Committee sessions**

IGU magazine articles / PGCA



Spring and Autumn of 2013 :

- **Carbon Capture and Storage (SG1)**
- **LCA of Natural Gas Chain (SG3)3**

Transversal issues.....



Representatives to other committees.....

P
G
C
A

TBD SG4
SG1
Secretary SG1
SG2 SG3 (SG4)

Study Group 1
WOC2 (Storage)/ WOC3(Transmission) ;CCS

Study Group 2
PGCF(RD&I):Renewable & Electricity

Study Group 3
PGCD(LNG);LNG LCA

Study Group 4
WOC1(E&P);UG, WOC3

Secretary
TF2(Gas Advocacy)

Other committees
TBD





Sapporo Meeting mission accomplished.....