

WORLD BANK CLIMATE CHANGE VULNERABILITY AND ADAPTATION ASSESSMENT OF ALBANIA'S ENERGY INFRASTRUCTURE

Meeting to discuss climate risks and vulnerabilities
Wednesday 11 March 2009, 08.30 – 10.00

Ministry of Economy, Trade and Energy

Eng Fatjon Tugu

Kristo Rodi

Mimoza Simixhiu

Acclimatise

Dr Richenda Connell

World Bank

Jane Ebinger

Lucy Hancock

Aims of meeting

The purpose of this meeting is to deepen our understanding of climate vulnerabilities and risks facing the energy sector, building on the workshop discussions on 10 March. The questions in the agenda below are therefore quite broad, so that we can be flexible to pick up on the issues raised at the workshop.

Agenda

1. Introductions
2. How did you find yesterday's workshop?
3. What do you consider were the key issues identified at the workshop related to:
 - a. Energy security and services
 - b. Financial performance of the energy sector
 - c. Reputation
 - d. Contractual risks
 - e. Regulatory and legal risks?
4. Which climate-related risks and vulnerabilities are of most concern to METE for:
 - a. Large and small hydropower facilities
 - b. Other renewables – solar, wind, others
 - c. Thermal power plants
 - d. Electricity transmission
 - e. Fossil fuel supply & transmission / transportation
 - f. Energy demand and energy efficiency?
5. Could climate change affect the balance of different types of energy generation?
6. How robust are Albania's international energy supply agreements? Could climate change cause neighbouring countries to cut supplies to Albania?
7. How are climate change risks considered in the new National Energy Strategy and the new National Strategy for Renewables?
8. Are there opportunities to address climate change resilience as part of:

- a. Privatisation of the energy sector
 - b. Rehabilitation of existing assets
 - c. Design of new assets?
9. Where / how can we obtain information on CAPEX and OPEX for the energy sector (for the second phase of this assignment)?

WORLD BANK CLIMATE CHANGE VULNERABILITY AND ADAPTATION ASSESSMENT OF ALBANIA'S ENERGY INFRASTRUCTURE

Meeting to discuss climate risks and vulnerabilities

Wednesday 11 March 2009, 10.15 – 11.45

AKBN

Fatbardh Ademi
Edmond Guskolli
Luan Dibra
Bajram Kullaj

Acclimatise

Dr Richenda Connell

World Bank

Jane Ebinger
Lucy Hancock

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 - a. Energy security and services
 - b. Financial performance of the energy sector
 - c. Reputation
 - d. Contractual risks
 - e. Regulatory and legal risks?
4. What are your critical success criteria?
5. Which climate-related risks and vulnerabilities are of most concern to AKBN for fossil fuel supply & transmission / transportation? Where can we find information on critical climate-related thresholds for asset performance?
6. Are there opportunities to address climate change resilience as part of:
 - a. Privatisation of the energy sector
 - b. Rehabilitation of existing assets
 - c. Design of new assets?
7. Where / how can we obtain information on CAPEX and OPEX for the energy sector (for the second phase of this assignment)?

WORLD BANK CLIMATE CHANGE VULNERABILITY AND ADAPTATION ASSESSMENT OF ALBANIA'S ENERGY INFRASTRUCTURE

Meeting to discuss climate risks and vulnerabilities

Wednesday 11 March 2009, 12.00 – 13.30

Association of Small Hydropower
Developers

Kole Gjoni

Acclimatise

Dr Richenda Connell

World Bank

Jane Ebinger
Lucy Hancock

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2. How did you find yesterday's workshop?
3. What do you consider were the key issues identified at the workshop related to:
 - a. Energy security and services
 - b. Financial performance of the energy sector
 - c. Reputation
 - d. Contractual risks
 - e. Regulatory and legal risks?
4. What are your critical success criteria? How do these relate to climatic factors?
5. Which climate-related risks and vulnerabilities are of most concern to small hydropower developers? Where can we find information on critical climate-related thresholds for asset performance?
6. Are there opportunities to address climate change resilience as part of:
 - a. Privatisation of the energy sector
 - b. Rehabilitation of existing assets
 - c. Design of new assets?
7. Where / how can we obtain information on CAPEX and OPEX for small hydropower facilities (for the second phase of this assignment)?

WORLD BANK CLIMATE CHANGE VULNERABILITY AND ADAPTATION ASSESSMENT OF ALBANIA'S ENERGY INFRASTRUCTURE

Meeting to discuss climate risks and vulnerabilities

Wednesday 11 March 2009, 14.15 – 15.45

AKBN

Marjana Coku
Nikolin Prifti

Acclimatise

Dr Richenda Connell

World Bank

Jane Ebinger
Lucy Hancock

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3. What do you consider were the key issues identified at the workshop related to:
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 - b. Financial performance of the energy sector
 - c. Reputation
 - d. Contractual risks
 - e. Regulatory and legal risks?
4. What are your critical success criteria?
5. Which climate-related risks and vulnerabilities are of most concern to AKBN for hydropower? Where can we find information on critical climate-related thresholds for asset performance?
6. Could climate change affect the balance of different types of energy generation?
7. Are there opportunities to address climate change resilience as part of:
 - a. Privatisation of the energy sector
 - b. Rehabilitation of existing assets
 - c. Design of new assets?
8. Where / how can we obtain information on CAPEX and OPEX for the energy sector (for the second phase of this assignment)?

WORLD BANK CLIMATE CHANGE VULNERABILITY AND ADAPTATION ASSESSMENT OF ALBANIA'S ENERGY INFRASTRUCTURE

Meeting to discuss climate risks and vulnerabilities

Wednesday 11 March 2009, 16.00 – 17.30

Albanian Academy of Science

Prof Dr Farudin Hoxha

Acclimatise

Dr Richenda Connell

World Bank

Jane Ebinger

Lucy Hancock

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2. What do you consider are the key climate risks and vulnerabilities related to:
 - a. Energy security and services
 - b. Financial performance of the energy sector
 - c. Reputation
 - d. Contractual risks
 - e. Regulatory and legal risks?
3. Which climate-related risks and vulnerabilities are of most concern for large and small hydropower facilities?
4. Where can we find information on critical climate-related thresholds for hydropower facility performance?
5. Are there opportunities to address climate change resilience as part of:
 - a. Privatisation of the energy sector
 - b. Rehabilitation of existing assets
 - c. Design of new assets?
6. Where / how can we obtain information on CAPEX and OPEX for large and small hydropower facilities (for the second phase of this assignment)?

WORLD BANK CLIMATE CHANGE VULNERABILITY AND ADAPTATION ASSESSMENT OF ALBANIA'S ENERGY INFRASTRUCTURE

Meeting to discuss climate risks and vulnerabilities

Wednesday 11 March 2009, 08.30 – 10.00

AKBN

Engjell Dakli
Pirro Mitrushi
Renata Alikaj
Teuta Thimjo

WorleyParsons

Stuart Arch
Ivaylo Mirchev

World Bank

Tony Lim
Magnus Gehringer

Aims of meeting

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 - c. Reputation
 - d. Contractual risks
 - e. Regulatory and legal risks?
4. What are your critical success criteria?
5. Which climate-related risks and vulnerabilities are of most concern to AKBN for:
 - a. renewable energy
 - b. energy demand and energy efficiency?
6. Where can we find information on critical climate-related thresholds for renewable energy asset performance?
7. Could climate change affect the balance of different types of energy generation?
8. Are there opportunities to address climate change resilience as part of:
 - a. Privatisation of the energy sector
 - b. Rehabilitation of existing assets
 - c. Design of new assets?
9. Where / how can we obtain information on CAPEX and OPEX for the energy sector (for the second phase of this assignment)?

WORLD BANK CLIMATE CHANGE VULNERABILITY AND ADAPTATION ASSESSMENT OF ALBANIA'S ENERGY INFRASTRUCTURE

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Wednesday 11 March 2009, 10.15 – 11.45

KESH

Marialis Celo
Muharrem Stojku
Fatmir Hoxha

WorleyParsons

Stuart Arch
Ivaylo Mirchev

World Bank

Tony Lim
Magnus Gehringer

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 - d. Contractual risks
 - e. Regulatory and legal risks?
4. What are your critical success criteria?
5. Which climate-related risks and vulnerabilities are of most concern to KESH for:
 - a. Hydropower facilities
 - b. Thermal power plants?
6. Where can we find information on critical climate-related thresholds for asset performance?
7. Could climate change affect the balance of different types of energy generation?
8. How robust are Albania's international energy supply agreements? Could climate change cause neighbouring countries to cut supplies to Albania?
9. Are there opportunities to address climate change resilience as part of:
 - a. Privatisation of the energy sector
 - b. Rehabilitation of existing assets
 - c. Design of new assets?
10. Where / how can we obtain information on CAPEX and OPEX for the energy sector (for the second phase of this assignment)?

WORLD BANK CLIMATE CHANGE VULNERABILITY AND ADAPTATION ASSESSMENT OF ALBANIA'S ENERGY INFRASTRUCTURE

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Wednesday 11 March 2009, 12.00 – 13.30

ALBPETROL sh.a.

Klement Gjoni
Nijazi Musa

WorleyParsons

Stuart Arch
Ivaylo Mirchev

World Bank

Tony Lim
Magnus Gehringer

Aims of meeting

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 - d. Regulatory and legal risks?
4. What are your critical success criteria?
5. Which climate-related risks and vulnerabilities are of most concern to Albpetrol for:
 - a. Oil and gas production
 - b. Oil refineries
 - c. Coal mines?
6. Where can we find information on critical climate-related thresholds for asset performance?
7. Are there opportunities to address climate change resilience as part of:
 - a. Privatisation
 - b. Rehabilitation of existing assets
 - c. Design of new assets?
8. Where / how can we obtain information on CAPEX and OPEX (for the second phase of this assignment)?

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Wednesday 11 March 2009, 14.15 – 15.45

METE	Sokol Mati
OST	Ymer Balla
WorleyParsons	Stuart Arch Ivaylo Mirchev
World Bank	Tony Lim Magnus Gehringer

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 - e. Regulatory and legal risks?
4. What are your critical success criteria?
5. Which climate-related risks and vulnerabilities are of most concern to METE and OST for:
 - a. Natural gas production and transmission
 - b. Electricity transmission?
6. Where can we find information on critical climate-related thresholds for asset performance?
7. How robust are Albania's international energy supply agreements? Could climate change cause neighbouring countries to cut supplies to Albania?
8. Are there opportunities to address climate change resilience as part of:
 - a. Privatisation of the energy sector
 - b. Rehabilitation of existing assets
 - c. Design of new assets?
9. Where / how can we obtain information on CAPEX and OPEX (for the second phase of this assignment)?

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Meeting to discuss climate risks and vulnerabilities

Wednesday 11 March 2009, 16.00 – 17.30

Bankers Petroleum

Martin Graystone

WorleyParsons

Stuart Arch

Ivaylo Mirchev

World Bank

Tony Lim

Magnus Gehringer

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3. What do you consider were the key issues identified at the workshop related to:
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 - b. Reputation
 - c. Contractual risks
 - d. Regulatory and legal risks?
4. What are your critical success criteria?
5. Which climate-related risks and vulnerabilities are of most concern to Bankers Petroleum for oil and gas production?
6. Where can we find information on critical climate-related thresholds for asset performance?
7. Are there opportunities to address climate change resilience as part of:
 - a. Rehabilitation of existing assets
 - b. Design of new assets?
8. Can we obtain information on CAPEX and OPEX (for the second phase of this assignment)?