

# Development and Energy in Africa

Kick-Off Workshop

30-31 May 2005

## Introduction

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Energy for Development  
Risø National Laboratory

# Programme

| Monday 30 May |  |
|---------------|--|
| 9.00 – 9.45   | Welcome and general introduction to the project  |
| 9.45 – 10.00  | Key issues on links between energy and development   |
| 10.00 – 10.45 | Expectations for the DEA project <ul style="list-style-type: none"><li>Views from the 6 African Centres on how they view the DEA project in their own country and institutional context</li></ul>                                |
| 10.45 – 12.30 | Small scale energy interventions in project partner countries: <ul style="list-style-type: none"><li>Links between these and poverty alleviation/development</li><li>Links to national energy and development policies</li></ul> |
| 12.30 – 13.30 | Lunch  |
| 13.30 – 14.00 | Small group discussions<br>Mali – Senegal ( <i>moderator: Fatima Denton</i> )<br>Ghana – Zambia ( <i>moderator: Wilson Wasike</i> )<br>Botswana – Tanzania ( <i>moderator: Miriam Hinojosa</i> )                                 |
| 14.00 – 14.30 | Methodological framework: Using the experience and expertise gained from past and present work at UNEP Risø Centre<br><i>Kirsten</i>   |
| 14.30 – 15.15 | Literature review (Work Package 2)<br><i>Nicoline</i>  |
| 15.15 – 16.00 | Work Plan: Implementation of Work Packages 2 to 5. Focus on next 6 months.   |

| <b>Tuesday 31 May</b> |  |
|-----------------------|--|
| 9.00 – 9.30           | Recap of first day: expectations, approach, structure<br><i>Fatima</i>   |
| 9:30 – 10.30          | Development of the Assessment Framework (Work Package 5)<br><i>Miriam and Wilson</i>   |
| 10:30 – 11.30         | Mapping of energy interventions - catalogue (Work Package 3)<br><i>Henk</i>  |
| 11.30 – 12.15         | Discussion and identification of the range of case studies that may be included in the project (Work Package 6)  |
| 12.15 – 13.00         | Lunch  |
| 13.00 – 14.00         | Dissemination and consultations with stakeholders<br><i>Fatima</i>   |
| 14.00 – 16.00         | Inception report <ul style="list-style-type: none"> <li>• Updating the project document</li> <li>• Work package details</li> <li>• Deliverables</li> <li>• Timing</li> <li>• Possible bilateral discussions with Centres to address specific issues</li> </ul> |

# Development and Energy in Africa (DEA)

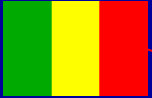
- A project of the EC COOPENER Programme
- start 1 May 2005, duration 30 months
- implemented by Risø National laboratory, Denmark (coordinator)
- Energy Centre of the Netherlands (ECN)
- 6 African Centres

## Overall aims:

- to identify and examine the developmental impacts of energy innovations
- to use the information obtained to improve on-going and future energy interventions

# Centres in 6 African countries:

MFC, Mali



ENDA, Senegal



KITE, Ghana



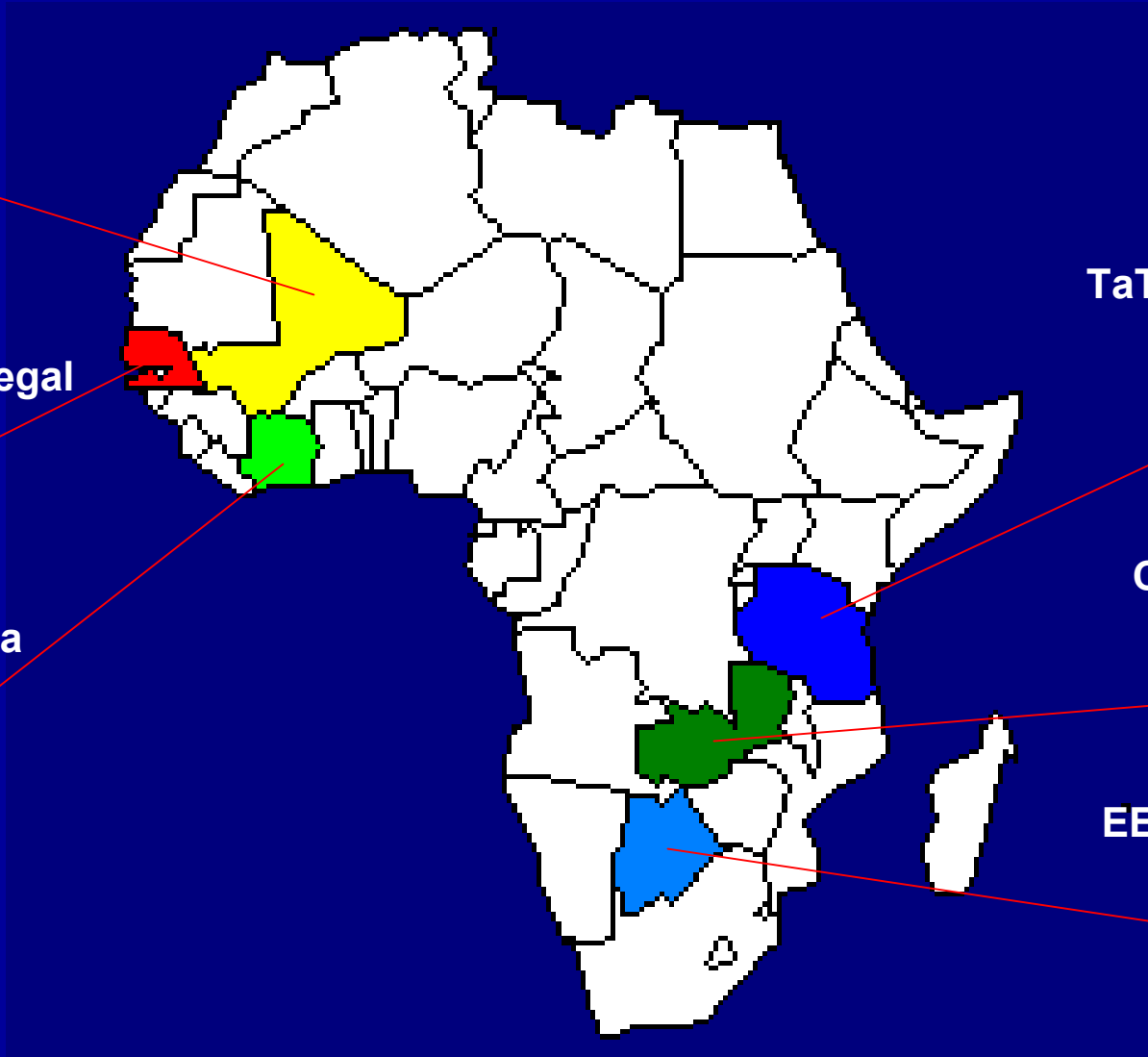
TaTEDO, Tanzania



CEEEZ, Zambia

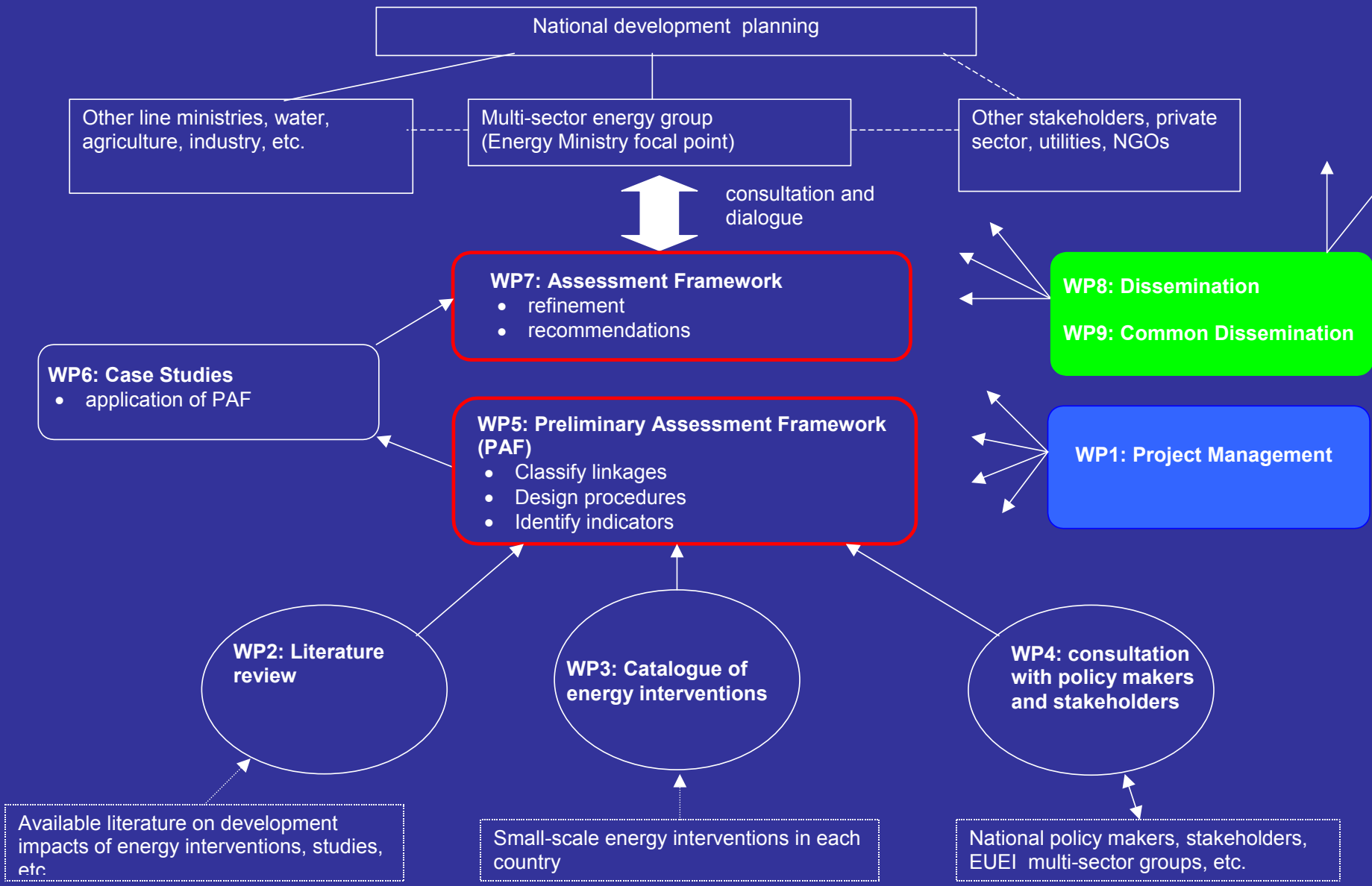


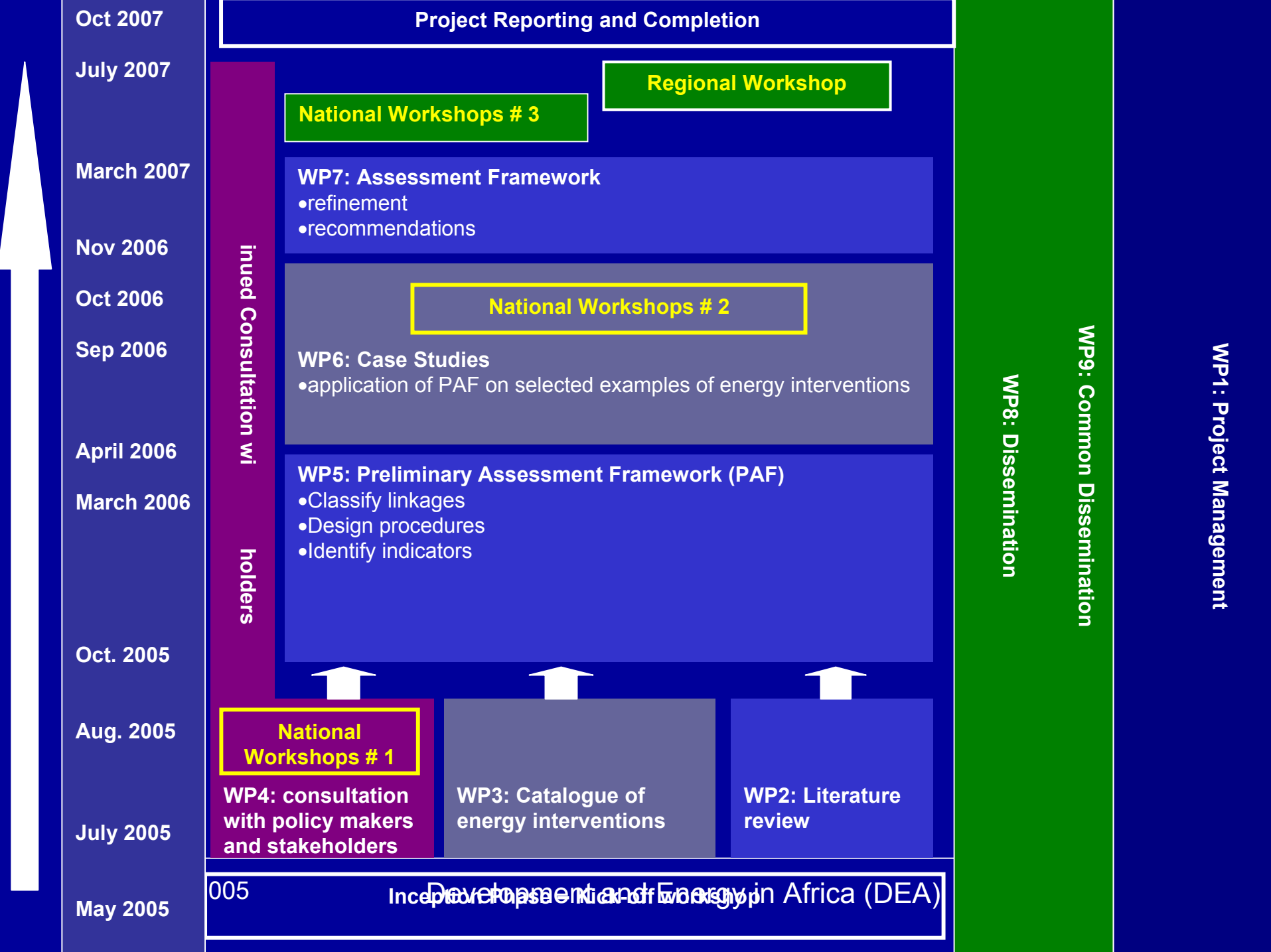
EECG, Botswana



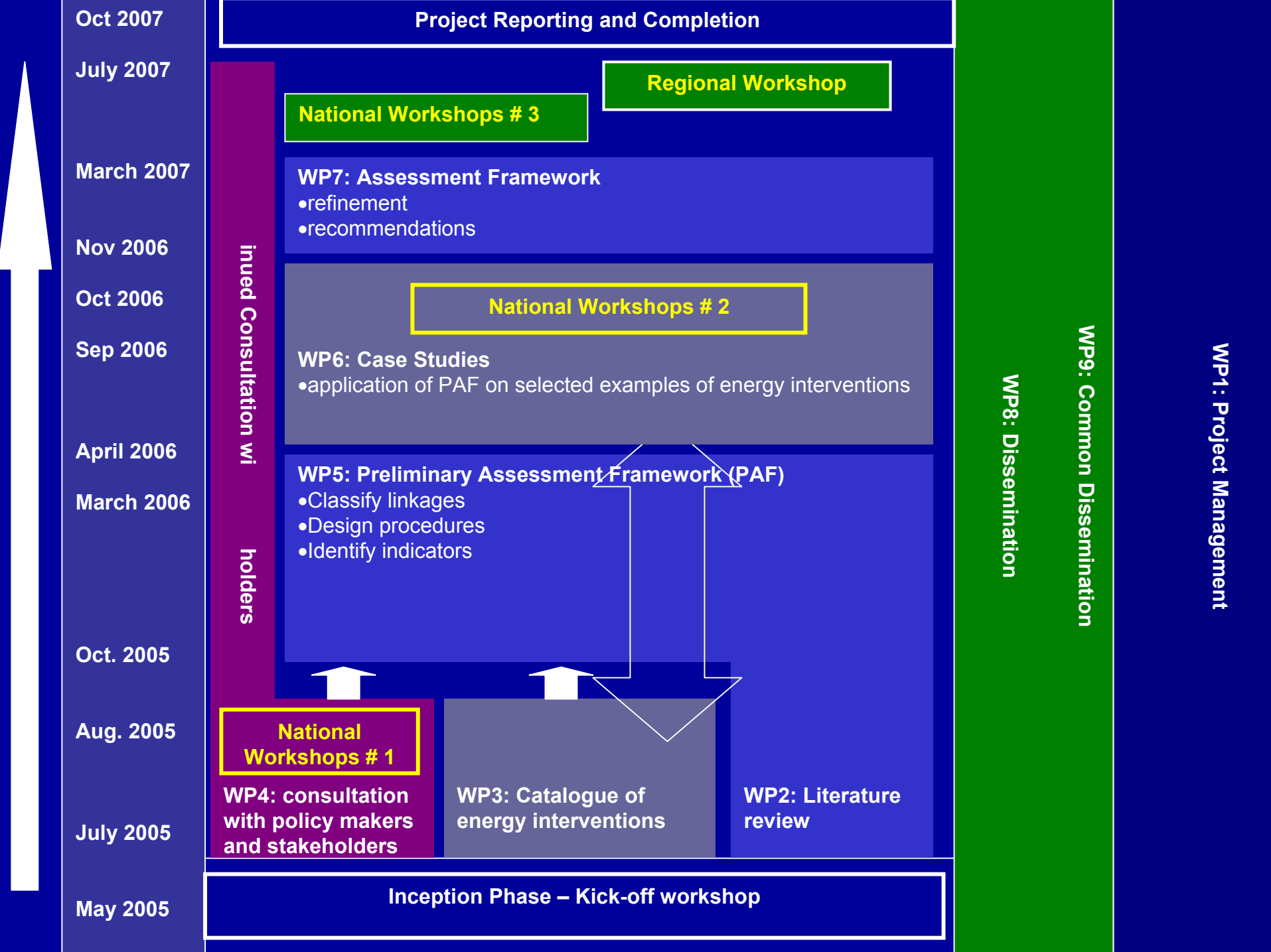
# Immediate Objectives

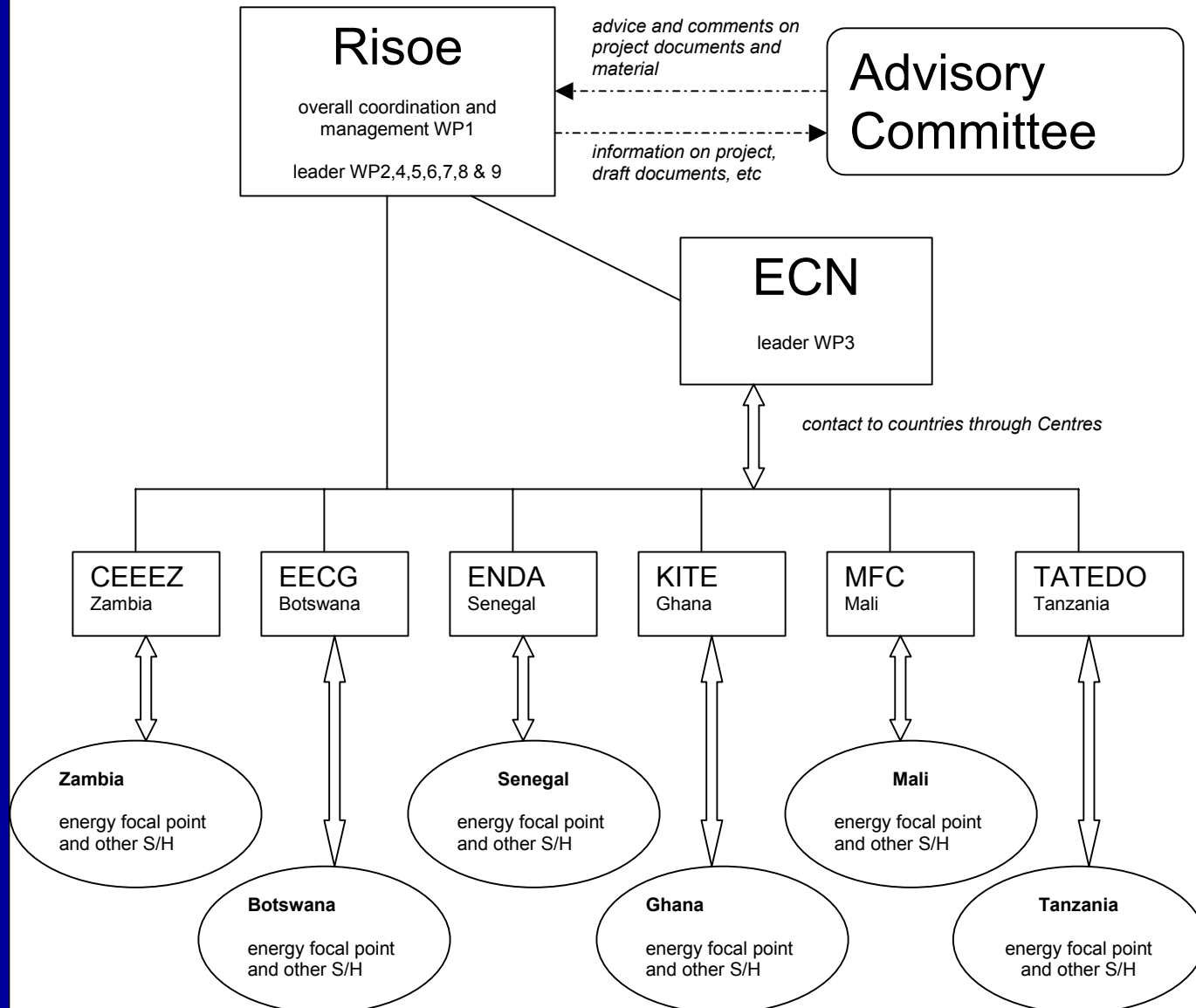
- to establish and apply an Assessment Framework for evaluating development and poverty impacts of energy interventions
- to engage in a dialogue with energy policy makers and other stakeholders on the basis of the framework, with a view to incorporating these issues in energy policy.











The formal contact between the Coordinator (Risoec) and the sub-contractors (African Centres) is with the Director (or Director of Energy Programme in the case of ENDA). The Director of the Centre is responsible for management of the staff assigned to the project. (See Appendix A)

All project partners (WP leaders and sub-contractors) refer to the Project Coordinator on management issues, while operational links to the target countries can be targeted directly through the 6 subcontractors.

# Advisory Committee

- *Dr Lawrence Agbemabiese*, Energy Branch, UNEP's Division of Technology, Industry and Economics, Paris
- *Mr Anders Arvidson*, Stockholm Environment Institute, Sweden
- *Ms Alison Bannister*, Future Energy Solutions, AEA Technology, UK
- *Dr Joy Clancy*, Technology for Sustainable Development Section (TSD/TDG), University of Twente, The Netherlands
- *Prof. Anil Markandya*, University of Bath, UK
- *Mr Monga Mehlwana*, CSIR, South Africa.
- *Dr. Patrick Milimo*, MDG Centre, Millennium Project, Nairobi
- *Prof. P.R. Shukla*, Indian Institute of Management, Ahmedabad, India
- *Dr Youba Sokona*, Director, Sahara and Sahel Observatory, Tunis, Tunisia
- EUEI representation
- DG TREN (COOPENER) representation

# Work Packages

1. management
2. literature review
3. catalogue of energy interventions
4. consultation with national policy makers and stakeholders
5. preliminary assessment framework
6. case studies
7. refinement
8. dissemination
9. common dissemination

| months   | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
|--|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| Work package 1:<br>Project management                      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 1.1: Inception phase                                       |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 1.2-1.4 Main project: project monitoring, reporting, etc.  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 1.5 Final reporting, etc                                   |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Reports (progress= P, interim=I, final=F)                  |   |   |   |   |   |   | P |   |   |    |    | P  |    |    |    |    |    | P  |    | I  |    |    |    | P  |    |    |    |    | F  |    |
| Work package 2:<br>Literature survey                       |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Work package 3:<br>Catalogue                               |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Work package 4:<br>Consultation with national stakeholders |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 4.1, 4.2   |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 4.2 (continued)  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 4.3  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 4.3 (continued)  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Work package 5:<br>Preliminary Assessment Framework        |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Work package 6:<br>Case Studies                            |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Work package 7:<br>Analyse and Refine AF                   |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Work package 8:<br>Dissemination                           |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Work package 9:<br>Common dissemination                    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Project meetings (WP1)                                     |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| National Workshops (WP4, WP6, WP8)                         |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Regional African Workshops (WP8)                           |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |

# WP2: Literature Review

- leader of Work Package: Risø
- duration 3 months
- Issues:
  - Development- energy links
  - Methodologies and indicators
  - Development impacts of other (non-energy) interventions
- Activities:
  - conduct survey
  - classify and discuss methods and indicators
- Outputs:
- Report addressing the issues
- Input:
  - Risø 154 hours
  - ECN 62 hours
  - Centres 31 hours each

# WP3: Catalogue of Energy Interventions

- leader of Work Package: ECN
- duration: 3 months
- Purpose: create a catalogue or database of relevant energy interventions
- choose from these the case studies to test the Assessment Framework
- Terms of Reference (ECN with Risø assistance)
- Compile national catalogue (Centres)
- Synthesize overall catalogue (ECN)
- ECN: 277 hours
- Risø: 123 hours
- Centres: 123 hours each
- Output: national catalogues + synthesis report

# WP4: National Consultations

leader of work package: Risø

duration: throughout project

purpose:

- link with policy makers and stakeholders
- ensure relevance of approach to national conditions and needs

Activities:

- prepare workshop material
- hold workshops and bilateral consultations in country
- inform stakeholders through the process

Risø: 93 hours

ECN: 62 hours

Centres: 123 hours each



# WP5: Preliminary Assessment Framework

leader of Work Package: Risø

purpose: central element of the project

outputs:

- Description of an operational Assessment Framework
- Recommendations for Case Studies

Risø: 524 hours

ECN 124 hours

Centres: 186 hours each

# WP6: Case Studies

leader of Work Package: Risø

purpose: test the Assessment Framework in real situations

Activities:

- meeting to agree on common structure
- practical arrangements
- case studies
- reporting
- discussion with stakeholders (National W/S 2)
- synthesis report

Risø: 155 hours

ECN: 84 hours

Centres: 185 hours

## WP7: Analyse Case Studies and Refine Methodology

- leader of Work Package: Risø
- adjust and refine the methodology on basis of case studies
- draft report on approach, discuss with partners
- final report and manual
  
- Risø: 339 hours
- ECN: 124 hours
- Centres: 186 hours each

# WP8: Dissemination

leader of work package: Risø

## Activities

- web site
- presentation material
- workshops
- regional (Africa) workshop
- disseminate to other countries
- contact with other EU member state programmes

Risø: 278 hours

ECN 93 hours

Centres 372 hours

# WP9: Common dissemination

- contribution to EC activities
  - presentation with other COOPENER projects
  - preparation of common presentation material
- 
- Risø: 93 hours
  - ECN: 31 hours

# Deliverables: Annex 1 p 25.

- deliverable
- type
- size and form
- language/number
- means of dissemination
- target group
- date due

# Workshops

## Project workshops

1. kick-off – May 2005
2. mid-term – April 2006
3. final – November 2006

## National workshops

1. consultation – August-September 2005
2. case studies – September 2006
3. final – dissemination – April 2007

## Regional workshop

- July 2007

End of Session 1 presentation

Questions on project organisation,  
work programmes, overall issues?



# Key issues

- Question 1: Do energy interventions serve as a catalyst for poverty alleviation and development?
- Question 2: Should policy makers care about creating and exploiting successful energy interventions?

# A) Examples of economic (quantitative) impacts of the energy interventions:

- Household income generation activities
- Agricultural productivity
- Financial opportunities/investment climate
- Education and health
- Equity, redistribution (central-local, intra-regional, intra-village, intra-household etc.)
- Integration in the national economy (and beyond)
- Winners and losers (seen from different angles: household, business, gender, rural-urban, institutional etc.)

## B) Examples of social (qualitative) impacts of the energy interventions

- Well-being
- Awareness and participation
- Opportunity and choice
- Good governance
- Environmental behaviour
- Vulnerability

## C) Potential for replicating the “good” energy intervention

- Environmental endowments
- Policy and institutional framework
- Externalities

# Expectations for the DEA project?

- Views from the 6 African Centres on how they view the DEA project in their own country and institutional context
- Perceived problems in implementation
- Discussion of structure and roles

# Centre presentations

- Small scale energy interventions in project partner countries:
  - Links between these and poverty alleviation/development
  - Links to national energy and development policies
- Presentations by each of the 6 African centres (15 mins. each)
- General discussion

# Issues for discussions

- Is the DEA project as you expected?
- Are there things you would like more explanation about?
- Are there aspects you would like to change?
- How will you put it across to stakeholders in your country?
- Is August-September a good time for the National Workshop?
- How will you allocate manpower resources to the project over the next 6 months?

# Work Plan: Implementation of Work Packages 2 to 5

- Focus on next 6 months
- Discuss timing
  - Literature review
  - Consultation
  - Catalogue
  - Preliminary Assessment Framework



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ECN 124 hours

Centres: 186 hours each

Any other business?

End First Day

# Inception Report

- What should the Inception Report contain?
  - Updated, realistic, project description
  - Changes in approach, timing, manning, responsibilities
  - More details of each Work Package
  - Confirmation of Deliverables – accepted by partners
  - Revision of Performance Indicators - acceptance
  - Completed LFA matrix
    - work package details
    - indicators
    - assumptions
    - updated inputs and schedules