| Topic: Advancing Human Development and MDGs | Theme: Advancing Human Development and MDGs | Thematic coordination lead: 
Organization: ………UN Water………………………………………………  
Name contact person: …Pasquale STEDUTO………………………………………………  
e-mail: ………………chair@unwater.org…………………………………………….. |
|-----------------------------------------|-----------------------------------------------|---------------------------------------------------------------------|
| Thematic coordination group: | Thematic coordination group: | Topic coordination lead: 
Organization: ……..Int. Hydropower Association (IHA)……………………………………  
Name contact person: ………Richard TAYLOR……………………………………………  
e-mail: …………………rmt@hydropower.org………………………………………….. |
| Topic: Water for Energy / Energy for Water | Topic Main Question: How can we harmonize water and energy policies? | Topic coordination group:  
(1) France Coordination for Water (PFE), SADC, PSI, WEC, IUCN  
(2) World Bank, Watergy, IHA, FAO  
(3) EWP, Japanese Ministry of Land, infrastructure and Transport, WBCSD, SUEZ Environment, CIHEAM |
| Topic coordination group: | | Key Topic Issues:  
Water and energy policies often conflict (impact on reaching targets and MDGs)  
Water and energy institutions, industries and markets are often disconnected  
Limited accounting for water in the energy sector, despite being a major user  
Need to factor climate change impact on the water and energy nexus  
Sustainability criteria (environmental, social and economic) required to address water and energy supply/demand  
Drivers for water and energy services are predominantly population growth and increasing living standards (before climate change)  
Communities without access to modern energy are likely to be those without access to water and sanitation also  
Water and energy resources are unevenly distributed, solutions are likely to be differentiated accordingly  
Appropriate (new) technologies can improve performance – new developments and synergies can reduce costs and impacts  
Surface water storage schemes also store energy – can influence mixed energy systems and water services  
Bioenergy (linkage with agriculture energy crops, biogas, traditional biomass, waste, etc.)  
Irrigation – pumping can be significant energy user (electric or diesel powered)  
Navigation – can significantly reduce energy consumption |
Need to differentiate between consumption and use of water for energy (bioenergy versus hydropower)
Water footprint different for each energy technology and service (transport, heating, power production)
Energy recovery from water processing (target of energy neutrality in modern sanitation process)
Role of renewable energy in treating and distributing water
Reducing energy consumption in water recycling and desalination
Energy availability and reliability essential for water services
Energy can be 60-80% of water treatment cost – efficiency and recovery key to reducing costs
Pricing water should incorporate the true (energy) cost

Cross-cutting issues: (bioenergy and agriculture – and – navigation and optimized use of water)

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<tr>
<th>Sessions Ideas</th>
<th>Session Question(s)</th>
<th>Initial list of Stakeholders to be involved (to be completed after call for participation)</th>
<th>Stakeholder consultation process/meetings</th>
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| Title: Integrating water and energy policies to meet the MDGs | Question: Where are there conflicts in current policy?  
What are the common drivers and solutions?  
How can policy support community orientated initiatives? |  |  | Organizations: PFE, SADC, PSI, WEC, IUCN  
Name contact person: Nathalie CHARTIER-TOUZE  
e-mail: nct.pfe@astee.org |

Regional sensitivity: high – medium - low
Check Balance  
Regions: OK – Not OK  
Equity Gender – Youth – Ind. People
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<th>Sessions Idea</th>
<th>Session Question(s)</th>
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| **Title: Sustainable use of water and energy resources** | **Question:** What criteria should be applied?  
What are the key indicators?  
How can performance be measured?  
What role can markets play in guiding performance? | | | Organizations: World Bank, Watergy, IHA, FAO  
Name contact person: Daryl FIELDS  
e-mail: dfields@worldbank.org |
| | **Check Regional sensitivity:** high – medium - low | **Check Balance**  
Regions: OK – Not OK  
Equity: Gender – Youth – Ind. People | | |
| Sessions Ideas | Session Question(s) | Initial list of Stakeholders to be involved (to be completed after call for participation) | Stakeholder consultation process/meetings | Proposed Session Coordination and convening group |
| **Session Idea** | **Question:** How can the water sector minimize its demand on energy?  
How can the energy sector minimize its impact on water?  
What role can renewable energy play in the water sector?  
Name contact person: Tom VEREIJKEN  
e-mail: t.vereijken@ewp.eu |
| **Title: Appropriate technologies to reduce the water and energy footprint** | | | | |
| | **Check Regional sensitivity:** high – medium - low | **Check Balance**  
Regions: OK – Not OK  
Equity: Gender – Youth – Ind. People | | |
Suggestions and Comments

Focus on Bioenergy in the Agriculture topic, or have a joint initiative between topics 2.2 and 2.3.