

I send responses to the questions posed in the Consultative Communication:

1. How can the 2015 Agreement be designed to ensure that countries can pursue sustainable economic development while encouraging them to do their equitable and fair share in reducing global GHG emissions so that global emissions are put on a pathway that allows us to meet the below 2°C objective? How can we avoid a repeat of the current situation where there is a gap between voluntary pledges and the reductions that are required to keep global temperature increase below 2° C?

The causes are depending on human and industrial induced emissions of the green house gases (GHGs) for the rise in a global mean temperature of 2% respect to the pre-industrial levels in 2020. Therefore, the 2015 Agreement should be designed focusing on the shift to new and more advanced technology. Otherwise, there is only recession at world level.

To this scope, the Economic Theory and Government Policy should rethink the role of Technology development to include Technology as an enabler for mitigation, adaptation and new jobs. The Bio-economy theory and concepts should be adapted to this challenge.

The STEEP analysis is needed to integrate the driver of change Technology which is the major enabler for energy efficiency today. This driver needs to be combined with the other drivers, especially Society in order to develop appropriate participatory and stakeholders engagements and activities.

Actions in these directions will satisfy the society and markets need of responsible consumers' of high-tech products markets, the new form of productions and the incoming popular principles based on sustainable lifestyle (green mobility, comfort, energy saving, recycling.) expectations.

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2. How can the 2015 Agreement best ensure the contribution of all major economies and sectors and minimise the potential risk of carbon leakage between highly competitive economies?

Promoting vision, roadmaps and implementation plans for Scientific and Technological advances help to discuss and share knowledge supporting risk-taking responsible behavior.

The adoption of market-based mechanisms is essential in the Agreement to push enterprises towards continuous innovation of products/services, processes and organization.

Therefore, early standardization of key technologies, new education, responsible communication are crucial for accompanying a successful policy plan.

This plan should aim to de-risk the introduction of innovation monitoring the ration between the expected impact on job reduction and

job creation.

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3. How can the 2015 Agreement most effectively encourage the mainstreaming of climate change in all relevant policy areas? How can it encourage complementary processes and initiatives, including those carried out by non-state actors?

For the 2015 Agreement, it is essential to wide spread actions for diminishing the apocalyptic effect of the Climate Change.

Humans can influence with Technology take-up and transfer the right way to climate change.

The Key task for the "Convention" (page 8) should give a sense to society by promoting a technology delivery strategy responding to issues and problems, possibly with a business orientation.

Therefore the 2015 Agreement should envisage Private/Public initiatives by Research Organizations, such as state and non-state RTOs.

In addition, the 2015 Agreement could introduce the need to investigate and anticipate needs responding to emerging problems exploiting and putting resources and efforts in Future Oriented Activities such as Foresight S&T, Horizon Scanning, Roadmaps, Technology Impact Assessment.

These Future Oriented Activities are already started in 2013 in many countries for Horizon 2020 and will be mature in 2015. They will engaged the participation of experts, researchers and societal groups to investigate future expectations and behavior. This will produce advanced multidisciplinary views on technology development for the Grand Challenge "Climate Change and resource Efficiency" that can be capitalized.

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4. What criteria and principles should guide the determination of an equitable distribution of mitigation commitments of Parties to the 2015 Agreement along a spectrum of commitments that reflect national circumstances, are widely perceived as equitable and fair and that are collectively sufficient avoiding any shortfall in ambition? How can the 2015 Agreement capture particular opportunities with respect to specific sectors?

"Holistic Design for environment" or "Super design" are terms of the life-cycle orientation that include criteria and principles that should guide commitments of all Parties.

It could be a motto for this agreement.

2015 Agreement should introduce criteria and principles in accordance to the IPCC analysis (Source IPCC Fourth Assessment Report, Climate Change 2007 - Synthesis Report) to focus three Pillars:

- Planet limited resources,
- Efficiency gains in industry and household ,
- Bio-economy for re-industrialization.

8. How could the UN climate negotiating process be improved to better support reaching an inclusive, ambitious, effective and fair 2015 Agreement and ensuring its implementation?

Foresight and Roadmapping initiatives are always means to sharing knowledge on future development area where mutual interests are evident

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9. How can the EU best invest in and support processes and initiatives outside the Convention to pave the way for an ambitious and effective 2015 agreement?

To strengthen and make fair the negotiating process, EU should capitalize on collective thinking available in the EU Commission for sustainable industrial competition in diverse fields.
It is important to exploit the research roadmaps literature available and involve KEY People in communicating to Summit and to pave the way for 2015 agreement.

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