

Organizing work to re-design the CRF Reporter

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Why this project (“business case”)

- Current CRF Reporter ~ 8 years old
 - a) problems become more and more evident
 - architectural
 - performance
 - compatibility with new soft-/hardware (Win-7 etc)
 - ...
 - b) “patches” become more and more difficult
 - c) flexibility becomes critical (many changes to come)
- => Time to re-write “from scratch” => this project



How to approach it?

- To address in one package:
 - reporting software (CRF Reporter)
 - UNFCCC databases and infrastructure
 - To use up-to-date design solutions
 - to ensure compatibility with current/future IT platforms
 - to guarantee satisfactory performance
 - To implement modularity
 - to facilitate design, development, testing, maintenance
 - to ensure flexibility for making changes as needed
 - To increase overall efficiency
 - possibility (tentative) to apply same/similar technical solutions to future non-Annex I software for reporting GHG inventory data
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Way forward from now

- Preparatory work (2011)
 - formulation of general concept
 - presentations/discussions with Parties at meetings
 - internal work to clarify/refine the concept, focusing on
 - √ business requirements
 - √ architectural design
- Budget cycle 2012-2013:
 - dedicated supplementary funding project “Redesign and development of the software for reporting GHG emissions for Annex I (CRF Reporter) [and non-Annex I Parties]”
- Phase 1 (2012): detailed concept/specification => RFP to develop
- Phase 2 (2013): development => testing
- Phase 3 (2014): deployment => maintenance



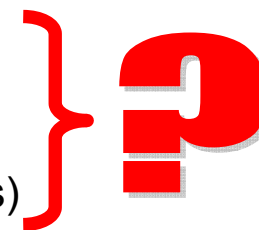
Risks and mitigation measures

- Wrong idea / inefficient concept
 - consultation with Parties, internal reviews
 - No funding
 - supplementary funding project to be organized
 - fund-raising efforts needed
 - Timing and/or costs underestimated
 - extensive preparatory work to be completed in 2011
 - revision of timing/costs to be done in Dec.2011 / Jan.2012
 - Outsourcing (if used) does not work well
 - detailed design specifications to be prepared
 - Funding model fails
 - fund-raising efforts needed for supplementary funding
 - the after-delivery funding remains a problem (move to core budget?)...
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Possible scheduling / planning problem

- SBSTA-32, conclusions on the work programme on 2006 IPCC guidelines (para 66 and Annex II):
 - COP 17 adopts the revised UNFCCC Annex I reporting guidelines, including the new CRF tables
 - COP 17 requests the secretariat to release, by October 2012, the upgraded CRF Reporter, subject to the availability of resources
 - Annex I Parties are to gain experience, on a voluntary basis, in revised UNFCCC Annex I reporting guidelines + upgraded CRF Reporter
- The new CRF Reporter as described will NOT be ready by Oct.2012
- Delivering by Oct.2012 possible only with a patch/upgrade of the current CRF Reporter (patch to start 2012, internal preparatory analysis in 2010)
- Thus:
 - work on two versions in parallel (patch version / full re-write)
 - potential inefficient use of resources (duplication of work)
 - potential problems with the Oct. version (bugs, performance problems)



Conclusions / actions

- Time has come to re-design the CRF Reporter
 - To be efficient, re-design of the reporting software needs to be done in one package with the database and infrastructure modifications
 - possibility to use solutions for non-Annex I software as well
 - Supplementary funding (considerable) will be needed in the 2012-2013 budget cycle
 - Funding is important:
 - as “supplementary project” in 2012-2013
 - problem of funding for maintenance (from 2014) remains open
 - **Feedback from this meeting would be useful and important (short-term working group?)**
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