



ESTA Road Map

Who does what and when?

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Priorities

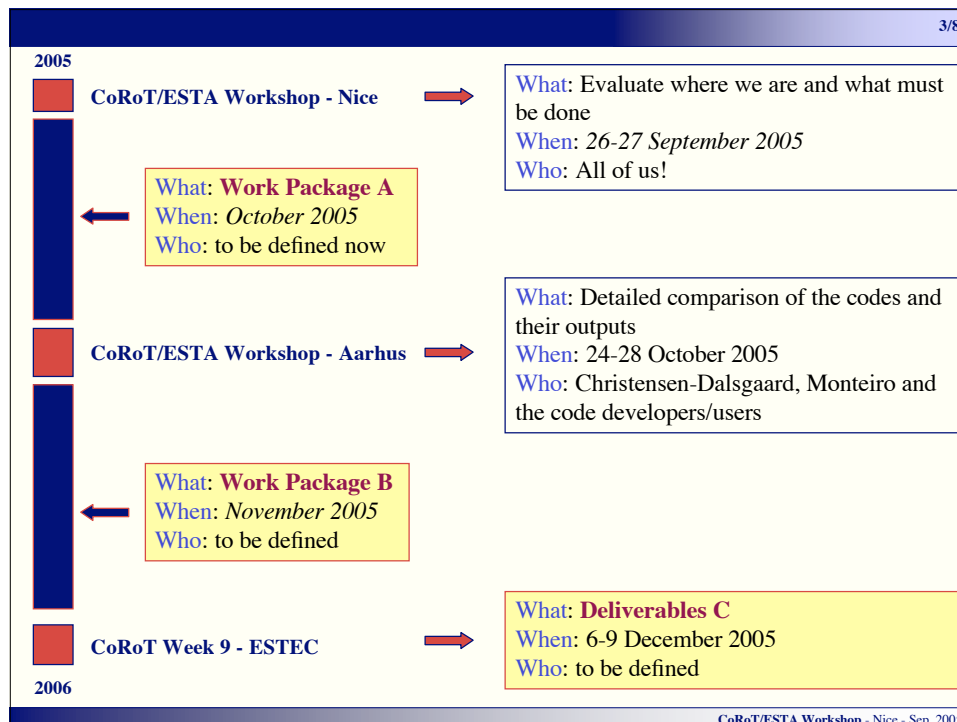
Following the discussions during the workshop it has been agreed that the activities of ESTA over the next months - up to the next CoRoT Week in ESTEC (9) - should concentrate on the following two key objectives:

- **Complete Task 1 on model comparisons,**
- **Initiate Task 2 on frequency comparisons.**

The calendar is now discussed and prepared having these objectives in mind.

An important part of the work in the next two months should also be directed towards:

- *reporting and/or publication of the results* produced by the model comparison,
- *development of supporting documentation* (description of codes, conversion tools, reference physics, file formats, etc).



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What must be discussed and specified

Work Package A: *Preparation for the Aarhus Workshop*

- Task 1 - Model comparison
- Documentation (Evolution Codes - version 0, ESTA File Formats - update)
- Grids (sequences, models and frequencies)

Work Package B: *Preparation for the CoRoT Week 9*

- Task 1 - Model comparison
- Documentation (Evolution Codes - version 1, Seismic Codes - version 0)
- Task 2 - Frequency comparison

Deliverables C: *Results to be ready for presentation in ESTEC and for publication*

- Tasks 1 (final results), 2 (preliminary results)
- Publications (CoRoT Book and others)

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Work Package A (October)

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Description	Who
Task 1: specify fully the physics	Yveline & Josefina
Task 1: evaluate the effect of the mesh and time step	Code Builders
Task 1: eliminate remaining evident differences in the physics	Code Builders
Task 1: evaluate the effect of the interpolation in the EOS	Code Builders
Task 1: compare the whole sequence of evolution	Grid calculators
Documentation: initiate the preparation and/or development of the code descriptions to be made available within ESTA	Monteiro & Code Builders
Documents: update the document on ESTA File Formats	Monteiro

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Work Package B (November)

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Description	Who
Task 2: compare the frequencies for specific models (CESAM)	Moya & Frequency calculators
Task 2: compare the frequencies using the same code for models from different codes	Moya & Frequency calculators
Task 2: evaluate the options for redefining the mesh and its effects on the frequencies	Moya & Model builders
Task 1: develop the conversion tool MODCONV	Monteiro
Task 1: recalculate all models for Task 1 with the fully specified and implemented reference physics	Monteiro & Model builders

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Deliverables C (December)

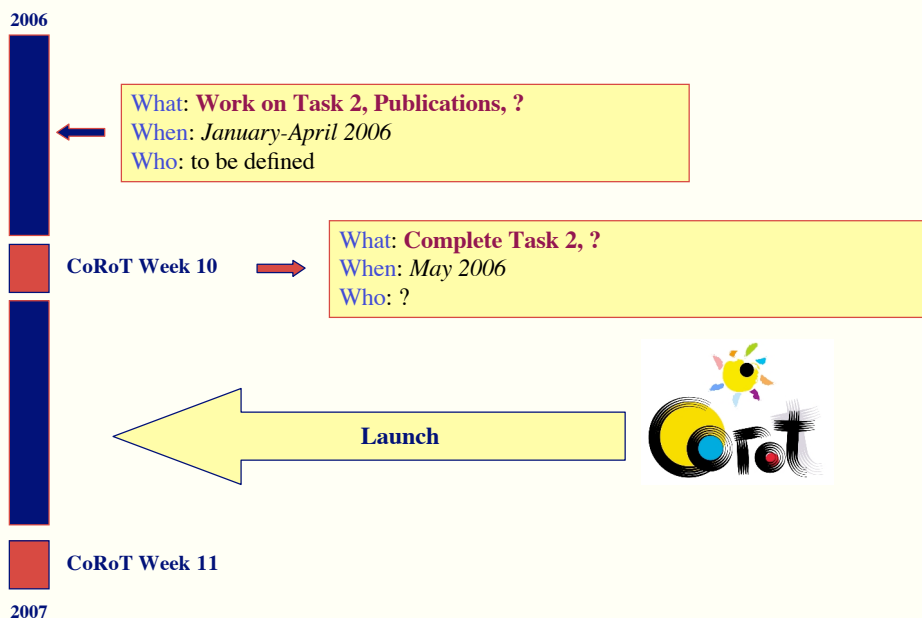
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Description	Who
Organize a thematic session in CoRoT Week 9	Monteiro
Task 2: poster presenting the preliminary comparisons	Moya & the Model Builders
Task1: report on final results	Monteiro & Model Builders
Presentation: ESTA and its activities/results so far	Monteiro
Publication: define the contents of the publication for ESTA to be included in the CoRoT book (ESA SP)	Monteiro & ESTA team
Publication: poster on the reference grid and comparison of the grids	Grid Builders
Documents: make available the first version of the descriptions for the codes used within ESTA	Code Builders

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Future (2006)

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