Realization of the didactic project “An audio/video for DAWN”
Updated 1-06-2006

• Brief Description of the project

In this 2 years project, INAF has worked together with a group of selected and motivated teachers to make their classes realize a movie structured as a TV News Program about the building and launch phases of DAWN and the VIR instrument. The final movie has been realized as a DVD called “an audio/video for Dawn”

• Calendar of the activities (sep 2004/ june 2006)
- Description of the activities (sep 2004/ june 2006)

The activities we have realized together with the teachers can be divided into 4 types

- preparation of webtools
see Task 1, previous report

- recruitment of teachers

In September 2005, we have contacted the Morgagni High School, based in Rome, to be involved in the project. At the beginning of the project, we have selected a restricted group of teachers to work with us and started creating a working team of 11 teachers teaching different topics.

We have organized for the working team of teachers a series of didactic activities:
- Lessons, conferences and workshops
- discussions with VIR science team members
- visits to INAF laboratories

- Didactic activities

6 Classes of 5° liceo of the Morgagni High Scholl, during the scholastic year 2005/2006 (about 110 students) have followed the project following a calendar of activities that we have organized for them, including lessons and conferences, external visits and workshops.

In particular, the school classes have been directly involved in our INAF Institute’s activities and have participated to:
- conferences and lessons by science teams
- visits to our laboratories
- interviews with scientists
For this task we have also collaborated with some Italian institutions. In particular, we have contacted and involved in the project:
- the **Planetarium of Rome** (Rome), where a number of lessons have been prepared for teachers and school classes. Experts of the planetarium have also been interviewed by the Morgagni
- The **Museum of Planetary Science of Prato** (Florence) that has been visited by the school classes
- **Galileo Avionica**, where VIR was built, that opened its buildings for a guided visit. Scientists and engineers of GA have also been interviewed by Morgagni
- Didactic material

During the 2 years of work, we have worked together with the teachers, giving them technical and scientific assistance to produce:

- **didactic material** to be used in class work and distributed online to a larger audience. The Morgagni has prepared, together with INAF scientists a **power/point presentation** to be presented to general public, divided in 6 chapters:
  1. the birth of the solar system
  2. an introduction to Dawn
  3. asteroids and meteorites
  4. why Vesta and Ceres
  5. The technological/social fallout of a space mission
  6. VIR and spectrometry

- **audio/video material**
With the technical support of INAF, Morgagni has realized all kind of **audio/video** material (all in mini-dv format) that can be in future re-used for didactic reasons, such as:
  1. interviews to scientists
  2. laboratory experiments
  3. conferences and lessons

Part of this material is now presented to the general public in 2 different formats:

- a DVD called “an audio/video for Dawn”
- on our website (actually online at http://dawn.artov.rm.cnr.it). The website will be updated in the next months of work with new material.

Some screen shots of the DVD “an audio video for Dawn”: an interview with A. Coradini, a GA engineer explaining ViR, a slide of the power point lessons prepared by Morgagni together with the scientists.
• Morgagni involvement to the activities (sep 2004/ june 2006)

Morgagni Teachers Involved in the project in the years 2004/2005 and 2005/2006:
- Sandra Amatiste (Matematica e Fisica)
- Daniela Bianchi (Matematica e Fisica)
- Valeria Cartoni (Scienze)
- Marta Cresti (Matematica e Fisica)
- Tiziana Duranti (Scienze)
- Benedetto Fabbri (Matematica e Fisica)
- Laura Ferroni (Lettere)
- Giuliana Germondani (Lettere)
- Anna Mataloni (Matematica e Fisica)
- Roberta Pratesi (Scienze)
- Silvana Renzi (Matematica e Fisica)

Morgagni classes involved in the project in the year 2005/2006 (110 students):
- 5° C
- 5°D
- 5°E
- 5°F
- 5°G
- 5°H