



# carmenes

carmenes.caha.es

Monthly Planet

Feb-Mar 2013, No. 2

## We passed the FDR!

CARMENES passed the Final Design Review on 19-20 February 2013



**Granada.** An external panel of international experts in astronomical instrumentation reviewed the final design of CARMENES. Representatives of the major funding bodies also participated in the review. The chair of the panel, Prof. L. W. Ramsey (PennState), concluded that “*the team has done a tremendous job in bringing CARMENES to a robust design ready to proceed to the next phase*” (cont. in p. 2).

### CARMENES in Turkish...



Nihat Haliç tarafından hazırlanan programda, Almanya-İspanya ortaklığında başlatılan Carmenes Projesi aktarılıyor. Carmenes, farklı bir yöntem kullanarak evrendeki 'Mavi Gezegenler'in adresini bulmayı hedefliyor.

**Bonn.** Deutsche Welle Türkçe, the Turkish branch of the Germany's international radio broadcaster, prepared a nice video available in YouTube. More at <http://carmenes.caha.es/>

### ... and taking shape



**Garching bei München.** This picture shows the current status of the cooling system, which is being built in close collaboration with Jean-Louis Lizon and Eduard Mirabet at ESO (by M. García-V.).

## Visit to Calar Alto



**Almería.** On 22 Feb 2013, some of us visited the Centro Astronómico Hispano-Alemán de Calar Alto. We paid special attention to the vacuum tanks path, optical fibres route, front-end location, the CAFÉ fibre shaker, liquid-nitrogen generation facilities... Besides, Andreas Quirrenbach gave an interesting talk on exoplanet searches and CARMENES to the CAHA personnel (by D. Montes).

## We passed the FDR!

(cont. from p. 1) Ramsey went on with his report: *“We are confident that they have designed a ground-breaking instrument that will deliver world-leading science”*. However, he also noted that *“delivering CARMENES is a very challenging task within the fiscal, manpower and temporal constraints”*. The other FDR panel members were Hugh R. A. Jones (Hertfordshire), Bertrand Lefort (CNRS), Luca Pasquini (ESO), Gert Raskin (Leuven), David L. Terrett (RAL), Jesús Aceituno (CAHA), Carlos Díaz Cano (CAB), Eva Díaz Catalá (CAB) and Andoni G. Moral (INTA). Currently, we are already in the following phase of Assembly, Integration and Verification.

## A bit of humour



On January 25<sup>th</sup>, 2013, CARMENES documentation took cognizance of itself...

**Los Ángeles** (Terminator T-800 Model 101 to to Sarah Connor in *Terminator 2: Judgement Day*): *“On January 25<sup>th</sup> 2013, CARMENES documentation took cognizance of itself...”* (by M. Abril). Thanks to all consortium members that participated in the FDR documentation preparation and follow the strict deadlines.

## Who are we?

*Monthly Planet* gets bigger (four pages, instead of two). In this issue, we start a new section entitled ‘Who are we?’. The first CARMENES members to talk about themselves are Vianak Naranjo and Miguel Abril, and they have set very high standards!

## Vianak Naranjo (MPIA)



*Birth place and date:*  
San José, Costa Rica  
25 May 1979

*Bio:*

- BSc. Electrical Engineering, Universidad de Costa Rica (2001)
- MSc. Information Technology, Hochschule Mannheim, Germany (2003)

*Duties:* tests, characterization, and integration of NIR detectors

*Herself:* coming from Central America, this Costa Rican can't help dancing. Moved by latin american rythms, we will see her dance everything from salsa and merengue to bolero and cha-cha-cha. But don't stereotype her, she is also a bit of a rocker deep inside, that is why she plays drums and listens from time to time to grunge or alternative rock music. Living now in Germany, her favorite time of the year is early summer, where the temperatures are between 25°C and 27°C like for her at home all year round. Her favorite pet are cats, and she loves blue, color of the sky and the sea. Her life will change completely this year, since her first child will be born in July!

## Miguel Abril (IAA)



*Birth place and date:*  
Granada, Spain  
02 Oct 1969

*Bio:*

- BSc. Physics, Universidad de Granada (1992)
- Dip. Ing. Electronics Engineering (1995)
- PhD. Physics (2007)

*Duties:* electronics of NIR channel, integration of NIR channel subsystems

*Himself:* he has a big amount of hobbies (too many, according to his wife and son), like writing stories, drawing, playing clarinet, computer gaming, dancing, flight simulation or practicing almost any sport where a ball is involved: football, basket-ball, tennis, table tennis, paddle... The direct consequence of such a long list of activities is that he is very bad at all of them, except those in which one only needs to have the eyes or ears open, like watching movies, listening to music (all kind, now discovering jazz) or reading books (novels and scientific dissemination, mainly). *Secret confession:* his English is worse every day. He started to suspect it some years ago, when tried to watch *Grease* with no subtitles. He gets a confirmation at every CARMENES meeting, when he hears Ansgar speaking and thinks 'God, what have I done with my life?'

PS: Does anyone know what is written on Miguel's head band? Or, at least, can anyone confirm that he is not putting it on upside down?

# CARMENES in CanalSur TV

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**Granada, Almería.** On Sunday 03 Mar 2013, the Andalusian TV channel CanalSur aired *Con-ciencia*, a weekly programme on science outreach. They devoted the first ten minutes of the programme to CARMENES, with videos of 3D opto-mechanical simulations, the FDR panel, our visit to CAHA and interviews to Pedro, Marisa and Andreas. You can see it at <http://carmenes.caha.es/ext/gallery/media/> (in Spanish; *Buscando tierras*: Looking for earths).

## Contributions to *Monthly Planet*

Please contact the *Monthly Planet* editor, José A. Caballero, if you have fancy pictures, interesting news or just something to show or tell to the consortium and the rest of the world...

