



The Alhambra Survey project surpasses NASA creating the most complete atlas of the universe

LOCATION: Granada

DURATION: 1'38"

SUMMARY: A group of Andalusian researchers has created the most complete atlas of the stars existing to study the Universe. They have collected data due to the Alhambra Survey Project, leaded by the Astrophysics Institute of Andalusia. There, they have analysed data taken after years of observation from the Calar Alto Observatory located in Almería.

VTR:

When we watch stars we ask ourselves a lot of questions. Some of them are going to be answered by researchers of the Astrophysics Institute of Andalusia in Granada. From here and counting on the collaboration of 70 scientists from different countries have created the biggest atlas of the Universe inside the project Alhambra Survey.

Alberto Molino
Researcher at the
Astrophysics Institute of
Andalusia

"A much more accurate and precise vision of how the evolution of galaxies is through time."

Txitxo Benítez
Researcher at the
Astrophysics Institute of
Andalusia

"Right now it is the most complete map and the one that contains more information of an area of the sky wide enough to draw general statistical conclusions of the Universe."

Alhambra has widened the vision of previous studies looking toward eight different regions in the sky, with a deeper observation, permitting the reconstruction of a 90% of the history of the Universe.

Alberto Molino
Researcher at the
Astrophysics Institute of
Andalusia

"Observing eight different lines of sky we are going to find out what happens there, there and there, in eight directions; and we are going to compare the results."

NASA already had presented a complete map of the sky but seen in infrared, Alhambra has used 23 different colour filters that add knowledge regarding the distance of the stars and their composition, providing more accurate information.

Alberto Molino
Researcher at the
Astrophysics Institute of
Andalusia

"We use this filtering system which allows us calculating at what distance galaxies must be from extremely distant objects."

Ten years of sky observation from the Observatory of Calar Alto, in Almería, that have generated a large amount of images that have been calibrated and analysed at the Astrophysics Institute of Andalusia giving an answer to many questions.



Txitxo Benítez
Researcher at the
Astrophysics Institute of
Andalusia

"The hardest work was processing data and that is completed, now we are working on exploiting them."

Information that will allow us knowing where we come from and maybe where we are heading to.

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