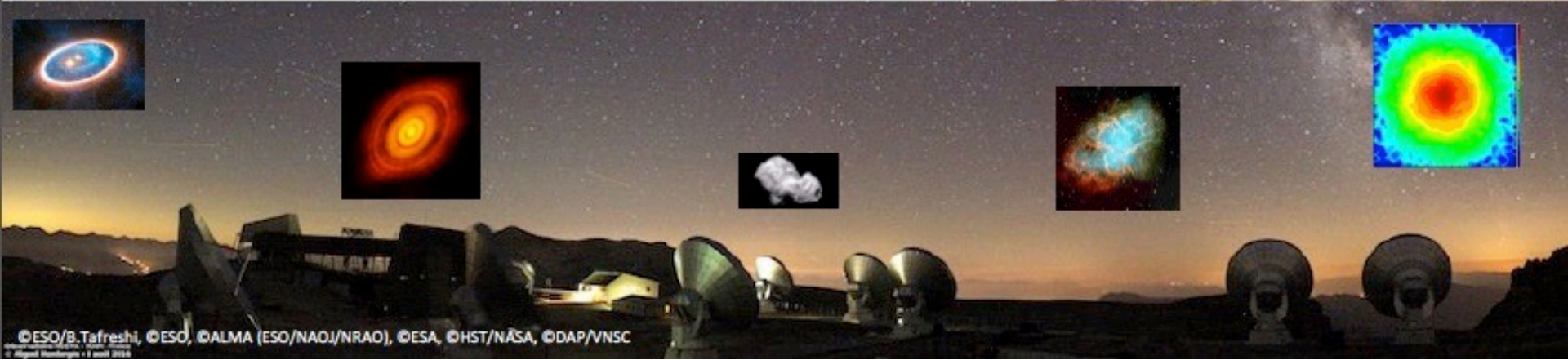


ICISE

INTERNATIONAL CENTRE FOR
INTERDISCIPLINARY SCIENCE AND EDUCATION

XIVth RENCONTRES DU VIETNAM
Gặp gỡ Việt Nam lần thứ XIV



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The Cosmic Cycle of Dust and Gas in the Galaxy: From Old to Young Stars 9-13 Jul 2018 Quy Nhon (Vietnam)





Cosmic Cycle 2018

Introduction

(Anne Dutrey, Pham Ngoc Diep)



We are honoured by the presence of the Dinh Binh Province's officials

Warm and great thanks to Prof
Le Kim Ngoc and Prof. Jean Tran
Thanh Van who are the « parents »
of ICISE and founders of
« Les Rencontres du Vietnam »



Special thanks to the local organisers

And they are numerous

- Aimie Fong and all the secretary staff
- Tran Thanh Son, Vice director of ICISE
- Lam Thi Thu Thao, Manager

→ All the volunteers from Quy Nhon University (help for the Conference and also the Bootcamp)

Many thanks also to
Pierre Gratier (abstract booklet + WEB)
Tuan-Anh Pham (bootcamp)
All SOC members



A worldwide conference

- 65 registered participants, 20 women and 45 men,
- 16 countries from Europe, Asia and America
 - 32 participants from Europe
 - 20 participants from Asia (8 from Vietnam)
 - 13 participants from America (US and 1 Chilean)

What we will discuss ...

What is the origin of the atoms, molecules and dust grains which have formed our Solar System, the Earth and finally us ?

How complex can be this matter in various locations of the Galaxy ?

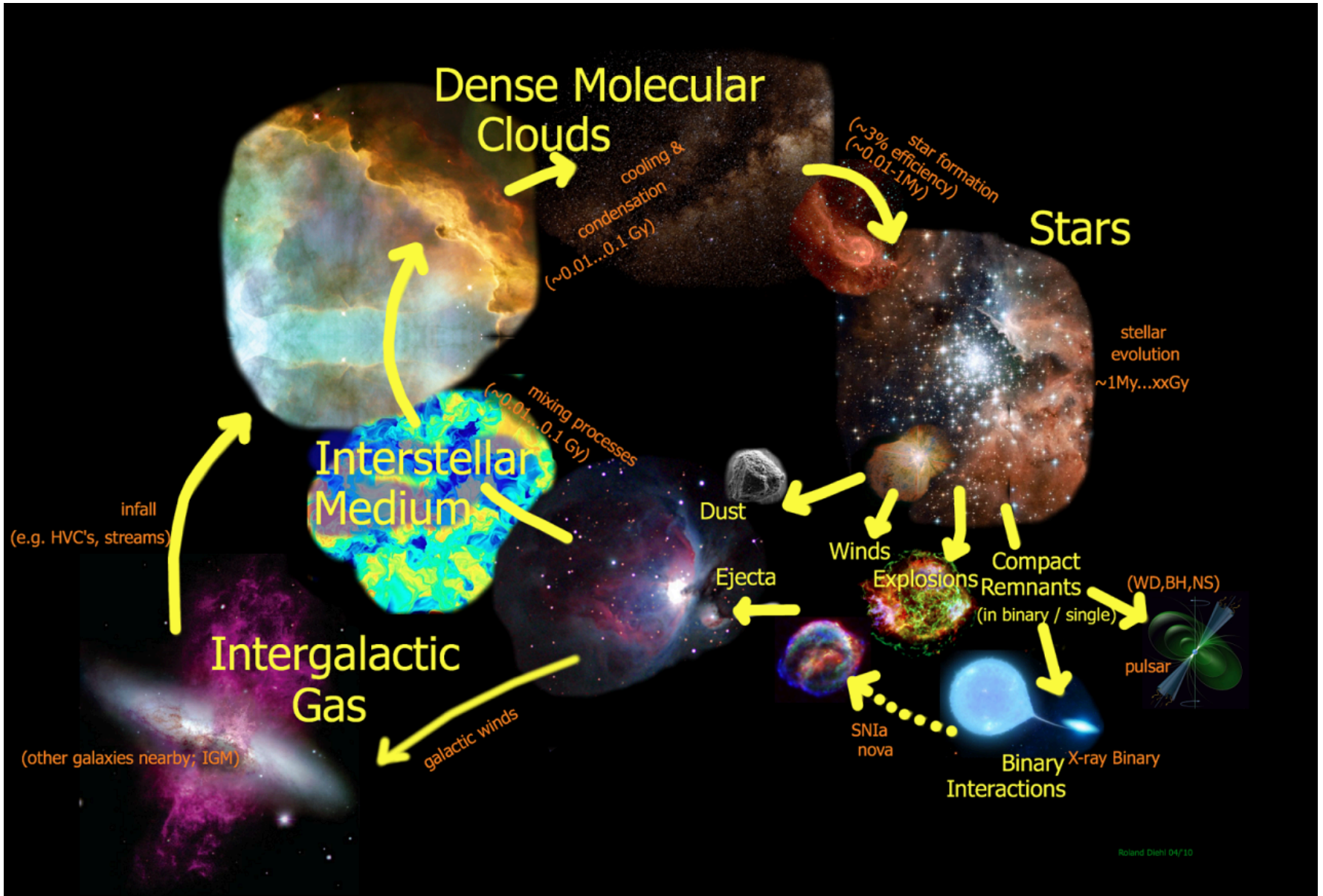
The Earth and her life is the best example we know of molecular complexity

Our spatial vessel: the Earth



Our star: the Sun

Most atoms and dust grains make a long trip through our Galaxy the Milky Way



They are mixed by dynamical processes which were discussed in August 2016 during the conference « Blowing in the Wind »

The composition of the matter in key locations of the Milky Way

Our own solar system: meteorites and comets (considered as fossils of the formation period)



Old stars which expulse heavy atoms that they can form

Young stars which will form a new generation of planets (with their promise for life)

At the interface of various disciplines

Planetology – Solar system

Astrochemistry and models of dust evolution in our Galaxy

Observations of young and old stars

→ Huge international observatories such as ALMA, the Atacama Large Millimetre Array

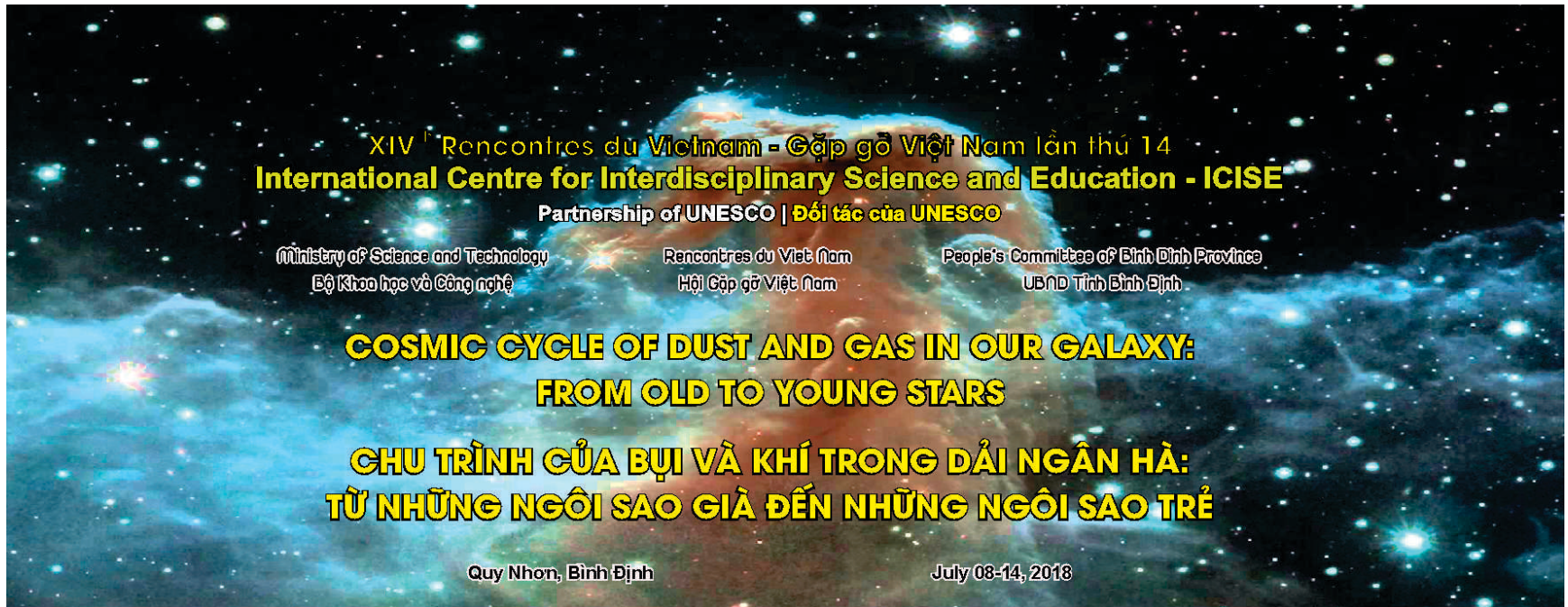


(ALMA is located in Chile at 5000m of altitude, in the driest desert in the world)

Vietnamese astronomers are very active as radioastronomers and ALMA users (studying old and young stars but also external galaxies)

→ Can only be achieved through worldwide collaborations and discussions ...

The « International Centre for Interdisciplinary Sciences and Education » is the perfect location for such an International conference



XIV^e Rencontres du Vietnam - Gặp gỡ Việt Nam lần thứ 14
International Centre for Interdisciplinary Science and Education - ICISE
Partnership of UNESCO | Đối tác của UNESCO

Ministry of Science and Technology
Bộ Khoa học và Công nghệ

Rencontres du Viet Nam
Hội Gặp gỡ Việt Nam

People's Committee of Binh Dinh Province
UBND Tỉnh Bình Định

**COSMIC CYCLE OF DUST AND GAS IN OUR GALAXY:
FROM OLD TO YOUNG STARS**

**CHU TRÌNH CỦA BỤI VÀ KHÍ TRONG DẢI NGÂN HÀ:
TỪ NHỮNG NGÔI SAO GIÀ ĐẾN NHỮNG NGÔI SAO TRẺ**

Quy Nhơn, Bình Định

July 08-14, 2018

So, thanks again to all Vietnamese actors for making this possible
And, to you all, enjoy the meeting in such a beautiful place.