

WELCOME

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I am happy to present what a group of Moriond and Blois friends have done in Vietnam and share with you the project of the creation of the

**International Centre for Interdisciplinary
Science & Education (ICISE)**

in Quy Nhon, Vietnam

**This project has been designed by a group of Moriond and Blois
friends fifteen years ago when we started together the
Rencontres du Vietnam**

CONFERENCE CENTRE
MISSION AND VISION

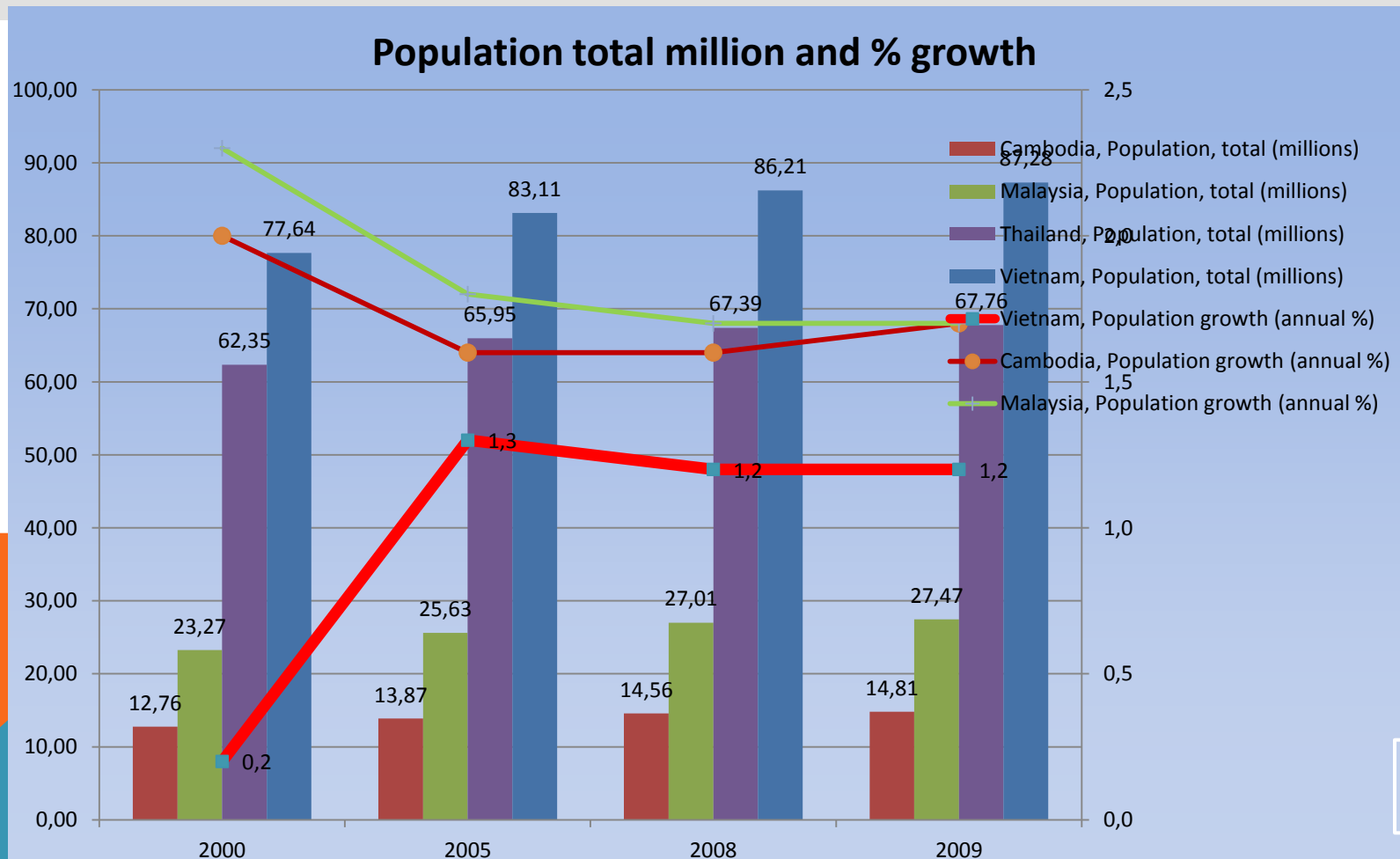
PROMOTE SCIENCE AND EDUCATION WITH A FULLY-DEDICATED CONFERENCE CENTRE

- The main project objectives are to focus on developing Science and Education, helping young Asian students and scientists to meet with the International Scientific community, have the opportunity to extend their knowledge from attending lectures and sharing ideas with overseas high-level colleagues.
- *Rencontres du Vietnam* has access to a large network of Moriond, Blois scientists to aid in the scientific organization of the Centre, plus a selected support team to manage the Centre.
- The experience and competence shown in the organization and management of the *Rencontres*, as well as the helpful network of scientists from around the world, are living evidence of the favorable development of international Conferences and Colloquia at ICISE.

VIETNAM KEY DEMOGRAPHICS

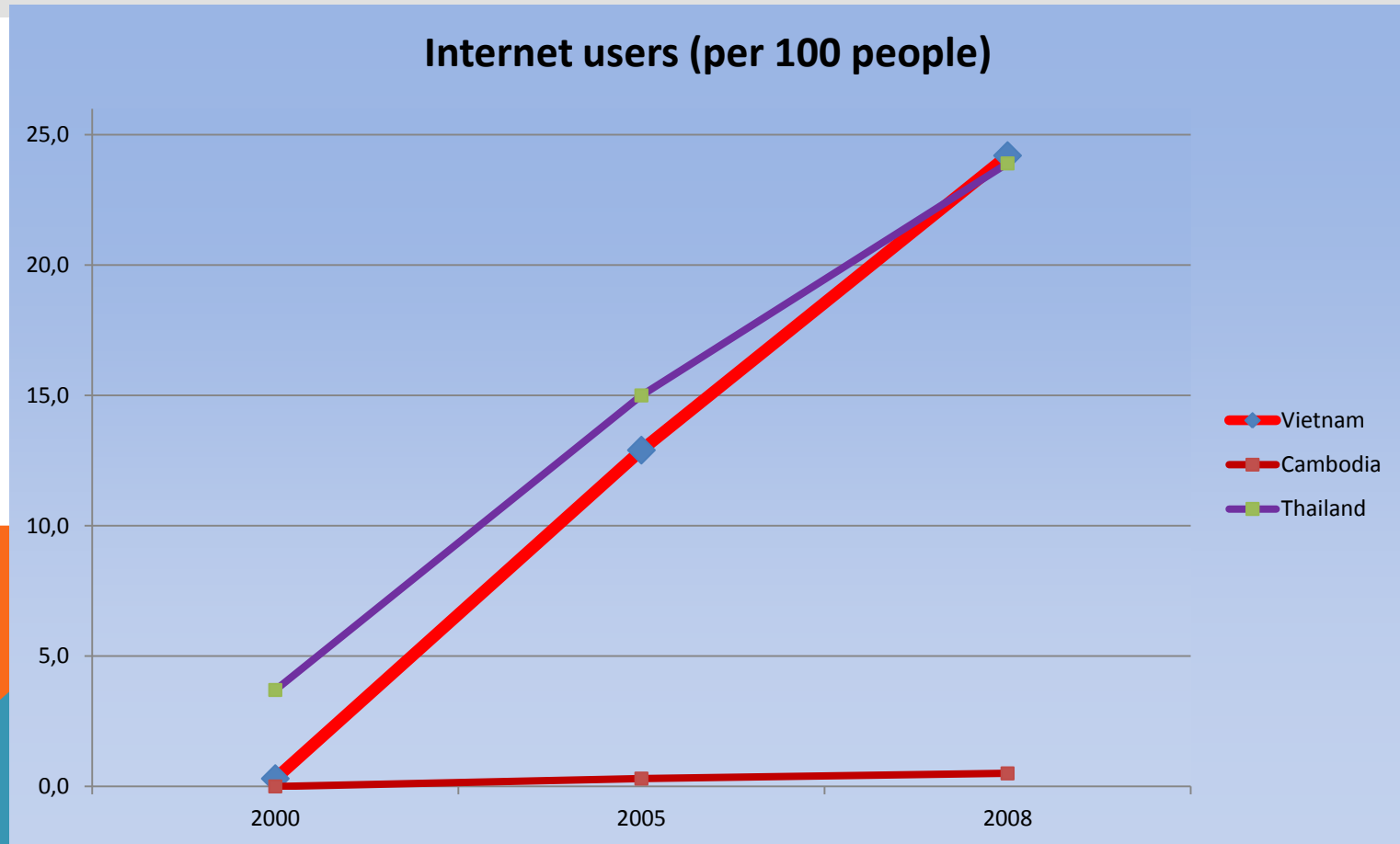
VIETNAM, A DYNAMIC POPULATION

- **With a population close to 90 millions**, it is one of the most populated country in the region with more than 50% of its residents being less than 25 years of age.
- Population growth year-on-year is at an average of 1.2%, which ensures a sustainable growth of the country while avoiding over-population issues.



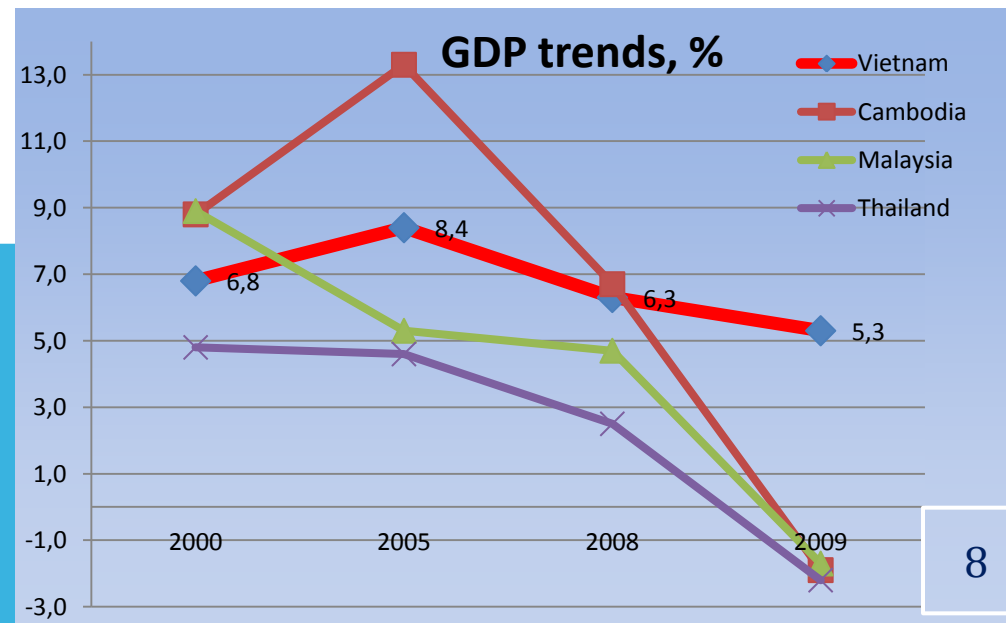
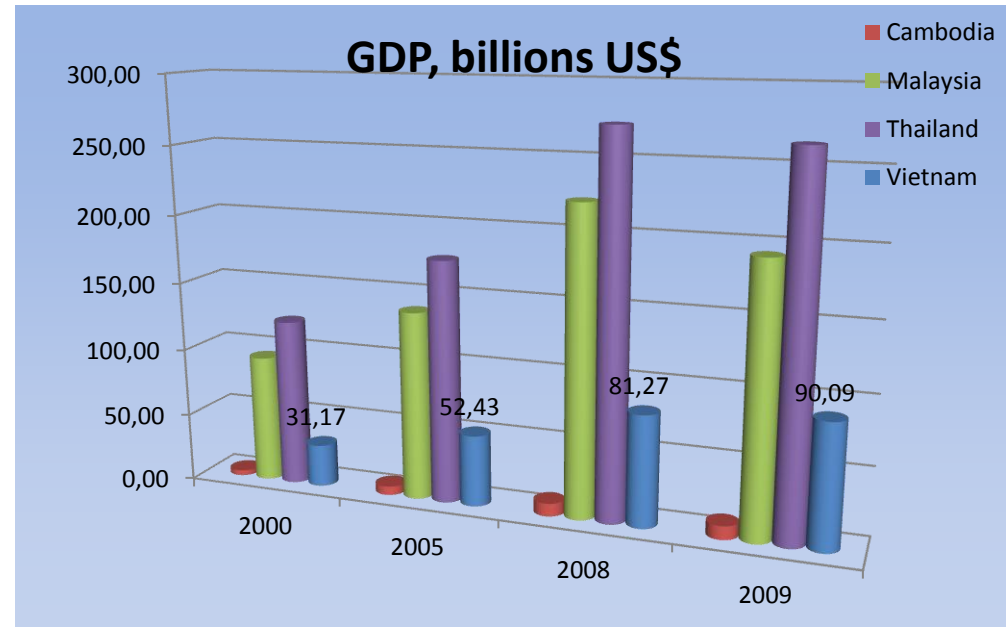
SIGNS OF A MATURE COUNTRY

- The number of internet users has dramatically increased; nowadays reaching the level of Thailand
- A new middle and upper class has emerged with higher expectations in terms of living standards and children education.



GDP IS GROWING DESPITE RECENT FINANCIAL CRISIS

- Vietnam has reached USD 90 billion GDP level in 2009, +11% versus 2008 and USD 141 billions in 2012 : +55% in 3 years
- Many other countries in the region have suffered from the last financial crisis and show negative trends.
- Forecasts for Vietnam economy indicates a 9 to 10% annual growth to reach USD 165 billion in 2015.
- **These are proofs of country stability and sustainable wealth, opening promising perspectives for further development initiatives.**



RENCONTRES DU
VIETNAM

RENCONTRES DU VIETNAM REALIZATIONS

- Since 1993, *Rencontres du Vietnam* has implemented and developed a large programme for Science and Education in Vietnam.
 - *Rencontres du Vietnam* have been organized **eigth Rencontres du Vietnam** in: 1993, 1995, 1999, 2000, 2004 2006, 2011and 2012, with the aim of helping Vietnamese scientists and those of the Pacific-Asian world to establish contacts and exchanges with colleagues of the West, including many Nobel Laureates .
(see in <http://vietnam.in2p3.fr>).
 - *Rencontres du Vietnam* has also organized Thematic Schools in Vietnam, including the "**Vietnam School of Physics**" **Series** since 1994. About fifty students from Asian countries attended each year the courses with 10 to 15 professors from Europe, Japan, India, USA etc ...
(see in <http://www.iop.vast.ac.vn/activities/vsop/index/html>).
- Next week (August 3-10, 2013), there will be 2 thematic schools in Quy nhon : one in nanophysics and one in Astrophysics

THE LAND IN QUY NHON

WHERE IS QUY NHON ?



- The ICISE will be erected at Quy Nhon, a city situated on the Vietnam coast.



Project site, sand beach

Notes :

- 1. The site of ICISE is about 4-5km from the Center of the town (Quy Nhon University)**
- 2. It is possible to walk from the Center to the Hotel used for the conferences. Isabelle has tested this road last December. Yesterday, Yannick Giraud and Kei Ichi Maeda visited ICISE and walked back to the hotel. It takes 45 min- 1 hour : a pleasant way along the coast, up and down the hills.**
- 3. A visit to the Center is scheduled on Thursday August 1st afternoon : 16:00 – 18:00**

QUY NHON



- Quy Nhon (300 000 inhabitants) is located
 - 600 km north of Ho Chi Minh City
 - 300 km south of Danang
 - and 1000 km south of Hanoithe city belongs to the Binh Dinh province (1,6 million inhabitants).
- Quy Nhon can be reached
 - By air :
 - From Ho Chi Minh City : 2 flights per day, 1 hour flight
 - From Hanoi : one daily flight , 1 hour 30 flight
 - By train : From Ho Chi Minh City : 10 hours

THE NUMEROUS ASSETS OF QUY NHON



- Quy Nhon is listed among the three high development priority cities in the center of Vietnam by the Vietnamese Government.
- The whole region is granted with beautiful mountains, landscapes, beaches and cultural treasures coming from the Cham civilization, and benefits from a mild climate, key to ensure promising prospective for tourism development.
- Quy Nhon has had a university for 50 years.
- Today there are 30,000 students with majors in Science and strong potential for development. Quy Nhon has become the new university center for Vietnam, after Ho Chi Minh city, Danang and Hanoi.

EXCLUSIVE ENVIRONMENT

- An area of 20 hectares (50 acres), has been offered by the provincial authorities to *Rencontres du Vietnam*. The site is located at about 5km south of the University (center of town)
- This land is ideally located between untouched mountains and the shore of the Eastern Sea, featuring a tiny river, rice fields and ponds, coconut and palm tree woods, and a 400 meters long sandy beach.
- The provincial authorities fully support the project and have agreed to build the necessary surrounding infrastructure including new access roads, water and electricity,



General view of the site : sea, river, mountains ...

AN ENVIRONMENTALLY FRIENDLY PROJECT



- The 20 hectares land is offering great potential to develop a landmark conference Centre with best-in-class hotel facility while preserving the environment.

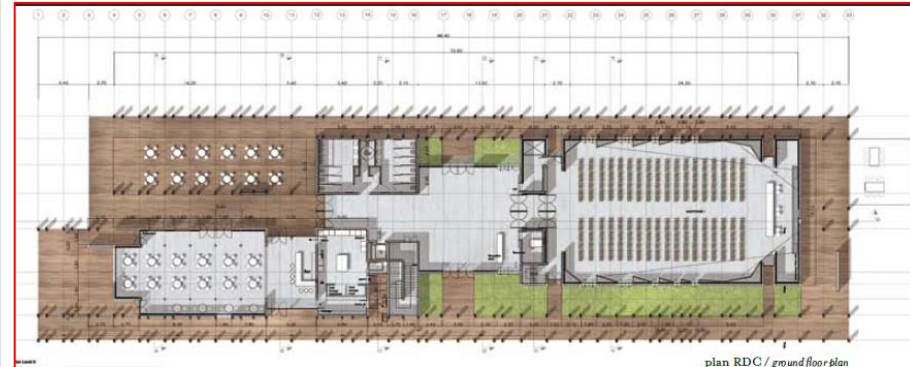


Quy Nhơn - tháng 12/2011

THE BUILDINGS

THE CONFERENCE CENTRE

- In its initial stage, the Center will consist of a Conference Building with Auditoriums, seminar rooms, and offices for study and research.
- Total size of more than 3,000 sq. meters;
- 1 auditorium : 350 seats;
- 1 conference room : 120 seats;
- 2 seminar rooms with 30 to 50 seats each;
- A coffee shop with 2 outdoors terraces.











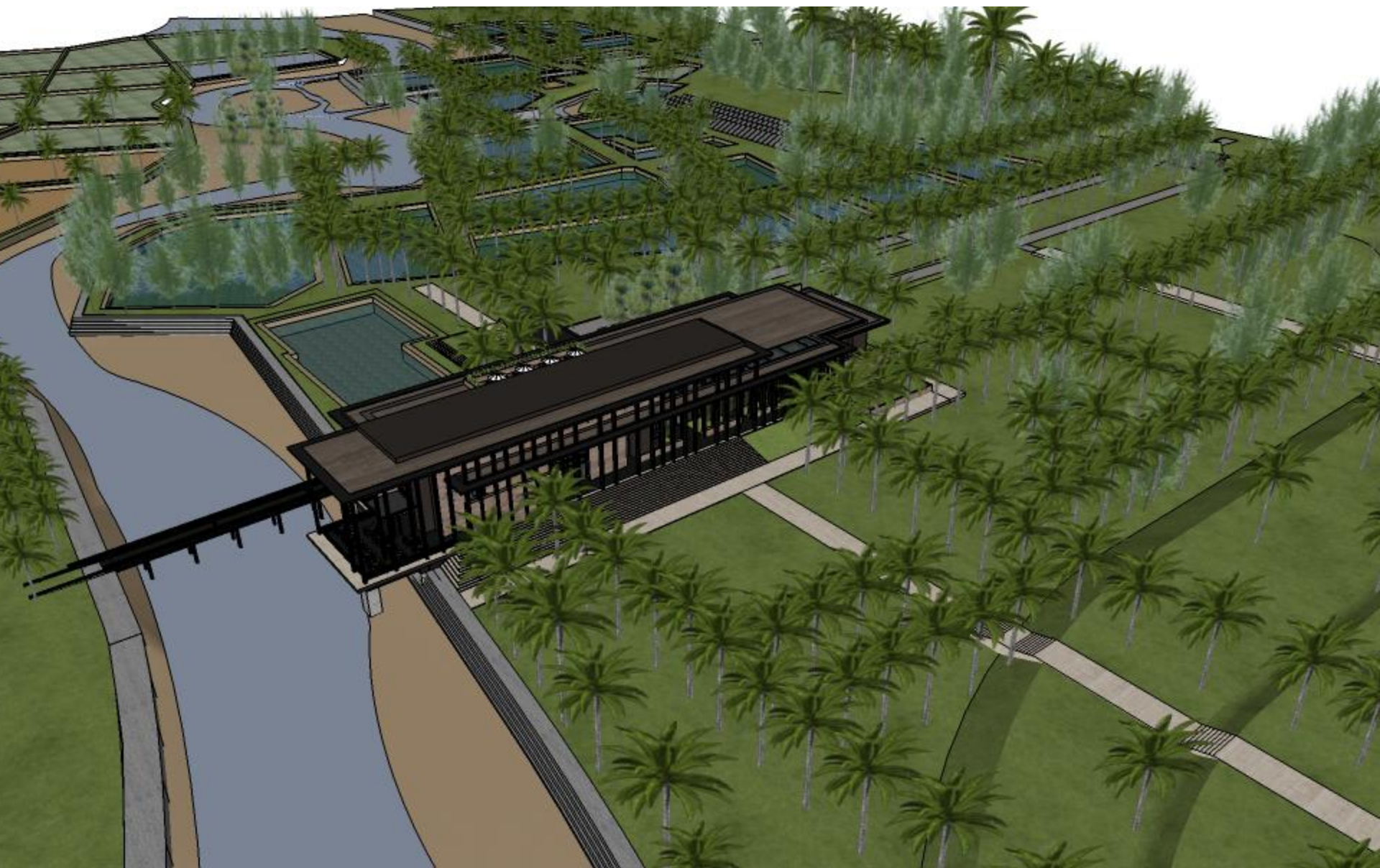


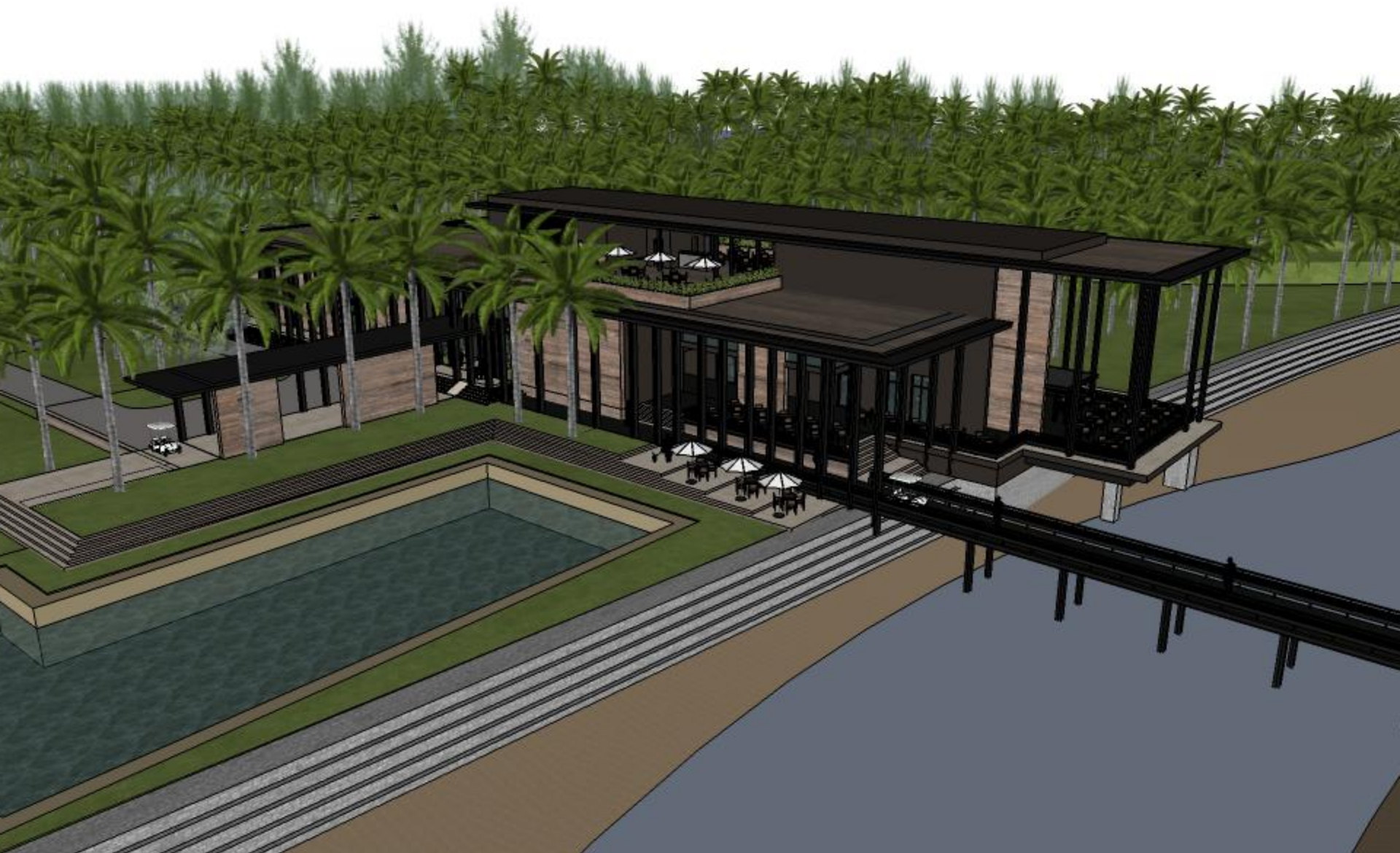


INTERNATIONAL CENTRE FOR INTERDISCIPLINARY SCIENCE AND EDUCATION
QUY NHON - VIETNAM
studioMilou architecture



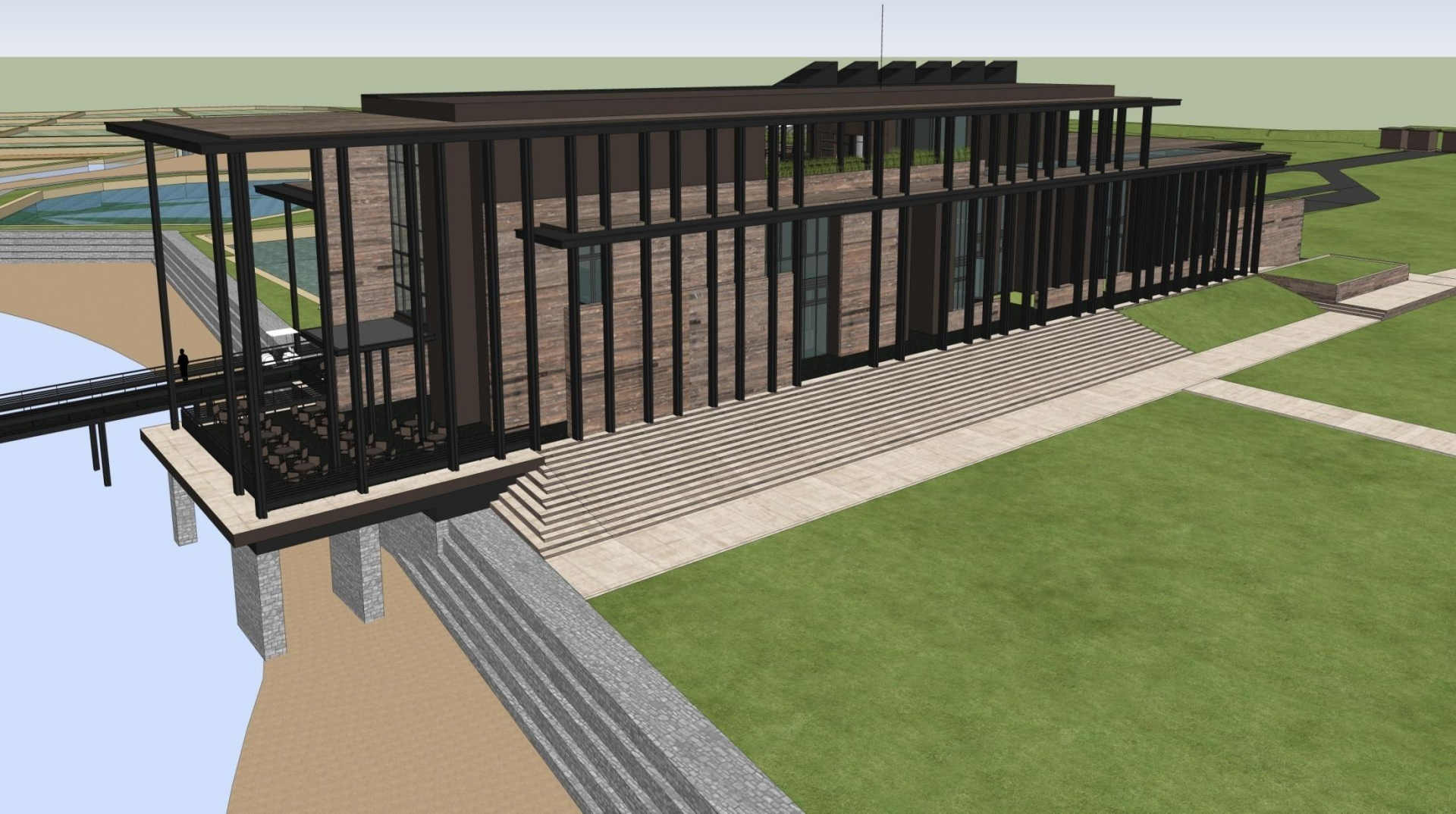
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QUY NHON - VIETNAM
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The Conference Center : Perspectives from the South side







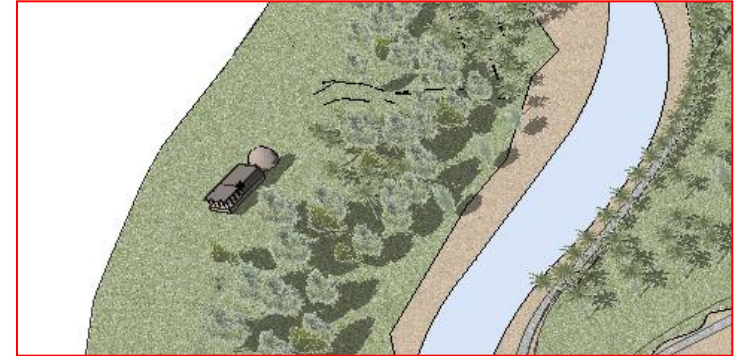
THE RESORT COMPLEX

- 30,000 to 50,000 sq. meters – as part of the land – are devoted to develop the resort, with a prime location close to the sea.
- A 3 to 4 stars-type hotel with approx. 100 rooms split among one main building and several villas,
- Restaurant & bar;
- Swimming pool;
- Spa, tennis courts and other resort-type facilities.
- The resort will welcome Conference participants and will benefit from the rapid tourism development in the region.
- In return it will enhance the notoriety of the Centre with a larger public.



OTHER PROJECTED BUILDINGS

- A ***planetarium***, to be constructed on the hill and visible to passing traffic, aimed to share the pleasure of research with the general public. This planetarium, one of the few in Vietnam, will be an educational resource for schools and other educational establishments in the province.
- An ***Exhibition Room and a Library***, with "hands-on" demonstrations and apparatus.
- Several ***Cogitum*** will provide peace and privacy to serve as retreats for meditation and discussions.
- An ***Engineering School***, providing Master-level professional instruction, will be set up, in collaboration with top international universities.



THE CONSTRUCTION HAS
ALREADY STARTED
STATUS ON MAY 31ST 2013



Conferences scheduled for 2013

Cosmology in the Planck era : July 28 - August 3

<http://vietnam.in2p3.fr/2013/Cosmology/index.html>

Hot topics in General Relativity and Gravitation : July 28 - August 3

http://www.cpt.univ-mrs.fr/~cosmo/GRG_2013/HTGRG.html

Nanophysics : from fundamentals to applications : August 4-10

<http://vietnam2013.lpa.ens.fr/>

Opening conference of the Center : Windows on the Universe : August 11-17

<http://vietnam.in2p3.fr/2013/Inauguration/>

Conferences planned for 2014

Flavour Physics : July 20 – 26, Contact : Bolek Pietrzyk, Andreas Schopper, Andrey Golutvin



LOCAL AND INSTITUTIONAL SUPPORTS

VIETNAM TOP LEADERS COMMITMENT

- The Vietnamese Administration has given full support to the project, from local authorities up to the Prime Minister and relevant ministries in Hanoi.
- The President of Vietnam has already received delegations of visiting scientists at the Presidential Palace in Hanoi, showing his deep interest for matters of science, education and new discoveries.
- The right to use this land is given for 50 years and is officially confirmed with a final & signed document.



President of Vietnam Nguyễn Minh Triết (center) surrounded by Nobel Laureates James Cronin and Klaus Von Klitzing, welcoming Physics Conference guests at the Presidential Palace.



LOCAL SUPPORT

1. A land of 200 000m²
2. Payment of expropriation cost : 800 000 US to the occupants of the land
3. Construction of a road to the Centre : 900 000 USD
4. Supply of Water and Electricity to the Centre
5.

WE NEED YOUR HELP

ORGANIZATION OF CONFERENCES, WORKSHOPS AT THE ICISE CENTER

Once it has opened, the Centre will host annually a dozen high-level international conferences, regional and regular national conferences, in all disciplines (basic and applied science, medicine, humanities and social sciences). Each conference will bring together between 70 and 150 participants for stays of up to 6 days.

The Centre will also host several two-week thematic schools, involving groups of 40 to 50 students and junior researchers, coming mainly from Asia, and senior lecturers from Asia, Australia, Europe and the Americas.

We need your help to organize these conferences and thematic schools at ICISE

PRACTICAL ASPECTS FOR ORGANIZING A CONFERENCE

The conference organizer will take care of

- the scientific program,
- the invitation of speakers and participants
- preparing the conference website

All the other aspects :

- registration,
- hotel reservation,
- meals, social events , ...

are taken care by the ICISE team



MAIN CONTACTS

CONTACT

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Chung I Tan : tan@het.brown.edu

Jacques Dumarchez : jacques.dumarchez@cern.ch

and others [...](#)

IN SUMMARY

The Centre is aimed at developing Science and Education in Asia Pacific rim countries, in particular in Vietnam.

All our Moriond friends are invited to collaborate with us to develop the Centre

We would appreciate

- if you can convince your University or Institution to be partner of the Centre
- if you can plan to have a conference or a colloquium at the Centre in the next few years.

Cosmology in the Planck Era : July 28 – August 3, 2013

Contact : Jacques Dumarchez : jacques.dumarchez@cern.ch

The conference will consist of plenary sessions for invited indepth oral presentations (review talks and talks on specific specialised topics), and contributed papers. **Special emphasis is being placed on active participation by young researchers and post-docs.**

Main topics

- Planck Cosmology Results
- Cosmology with wide-field SZ cluster surveys
- Polarization
- Supernovae
- BAO
- Inflation
- Modified Gravity
- Dark matter candidates
- Dark matter searches

Hot topics in General Relativity and Gravitation: August 3 - 10, 2013

Contact : Roland Triay : roland.triay@cpt.univ-mrs.fr

Main topics :

- **Astrophysics of compact objects**
- **Gravitational waves (experimental and theoretical)**
- **Experimental gravity and tests of General Relativity**
- **Alternative gravity theories and Cosmology related issues**

ICISE Inauguration conference Windows on the Universe

August 11 - 17, 2013

Contact : Boaz Klima : klima@fnal.gov

G rard Fontaine : fontaine@admin.in2p3.fr

Confirmed attendance

Jerome **Friedman**

Sheldon **Glashow**

David **Gross**

Rolf **Heuer**

Carlo **Rubbia**

George **Smoot**

Jack **Steinberger**

.....

Topics in Particle Physics

- Production and Properties of the Higgs Boson
- Searches for New Physics
- Phenomenology of Physics Beyond the Standard Model
- Production and Properties of the Heavy Quarks
- Studies of Electroweak and QCD physics
- Latest Results from Heavy Ion Collisions
- Recent Results from the Intensity Frontier
- Neutrino Physics from the Laboratory
- Future Facilities (Accelerators)

Topics in AstroParticle Physics and Cosmology

- Gamma-Ray Astronomy : Ground-Based and Satellite Experiments
- Cosmic Rays : Ground-Based and Satellite Experiments
- Multi Messenger Astronomy (Neutrinos, CR and GW)
- Dark Energy and Dark Matter
- The Cosmic Background Radiation
- The Early Universe
- Large Scale Structures
- Future Facilities (Satellites and Telescopes)

WINDOWS ON THE UNIVERSE

Inaugural Conference

INTERNATIONAL CENTER FOR INTERDISCIPLINARY SCIENCE EDUCATION

2013

QUY NHON

Schedule for the inauguration day

Monday, August 12

Morning

07:45 – 08:155 : Buses will leave the hotels to the ICISE conference site

Inauguration ceremony

08:00 - 08:30 : Welcome with Vietnamese music

08:30 - 10:00 : Inauguration ceremony (outside the conference building)

10:00 - 11:00 : Opening of the conference (inside the conference building)

The importance of Fundamental science for Technology progress

Sheldon Glashow - Particle Physics (30')

Klaus von Klitzing - Nanophysics (30')

11:00 - 11:30 : Conference photograph and Coffee Break

11:30 – 12:30 : **Highlights of the year**

Rolf Heuer - LHC Highlights (30')

Jean-Loup Puget - Planck Highlights (30')

12:30 - 14:00 : Lunch

Schedule for the inauguration day

Monday, August 12

Afternoon

14:00 - 14:30 : Carlo Rubbia - The Marvelous Neutrinos

14:30 - 15:00 : Michael Turner - Review of the standard model of Cosmology

15:00 - 15:30 : (TBD) : Large scale structures of the Universe

15:30 - 16:00 : Coffee break

16:00 - 16:30 : David Charlton – Highlights from ATLAS

16:30 - 17:00 : Joseph Incandela – Highlights from CMS

17:00 - 17:30 : Guido Altarelli - An Outlook for the LHC: Theorist's Perspective

17:30 to 18:15 Buses from the Conference Center back to the hotels

17:30 to 18:15 Buses from Conference Center to the hotels

WE ARE HAPPY TO INVITE YOU ALL TO
ATTEND THE INAUGURATION CONFERENCE

<http://vietnam.in2p3.fr/2013/Inauguration/>

Registration is opened
Scientific contributions are encouraged
Due to the high season, please register as soon as
possible for hotel reservation