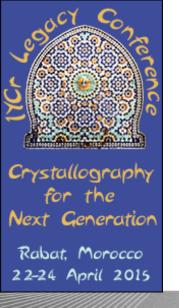


detecting the future

## **DECTRIS** @ Open Factory: **Detecting the future**

Dubravka Šišak Jung 19/03/2015

> DECTRIS Ltd. 5400 Baden Switzerland www.dectris.com





detecting the future

# **DECTRIS** @ Open Factory: Detecting the future

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# Agenda

#### 1. DECTRIS at IYCr:

- DECTRIS, Stoe and Xenocs: Open Factory
- Other initiatives

#### 2. Outcomes and Future work

- Erice crystallography school
- Other initiatives



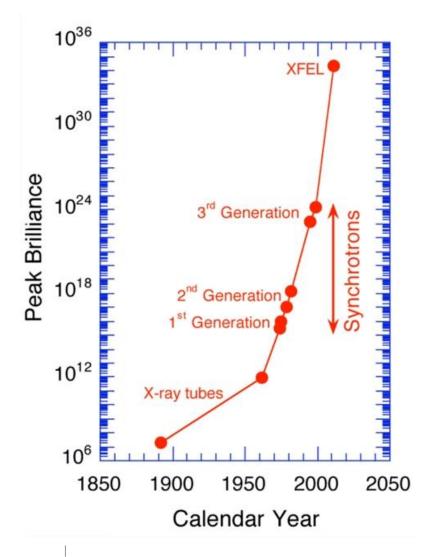
# Why bother?





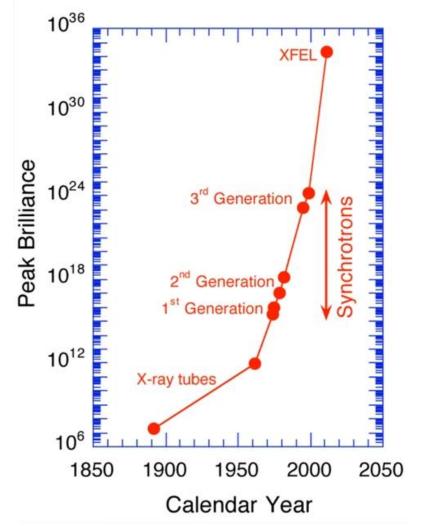


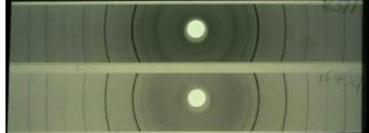
# **DECTRIS** @ **IYCr**



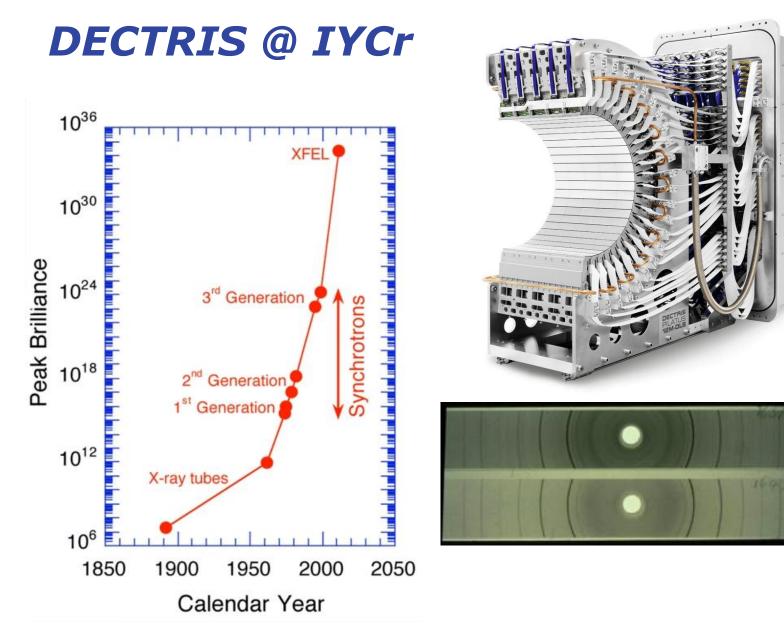


# **DECTRIS** @ **IYCr**











# Why bother?

- 1. Because we ARE detector developers
- 2. Because we ARE crystallographers
- 3. Because crystallography IS experimental technique



# How to help?

- 1. Financial support
- 2. Sharing know-how
- 3. Sharing expertize



# How to help?

#### 1. Defining

- an interest group
- a region of interest

#### 2. Organizing admission-free

- Schools
- Workshops
- Meetings

#### 3. Sharing expertize

- Instrumentation
- Theoretical crystallography
- 4. Sustainability: staying in touch



• IYCr Opening Ceremony





- IYCr Opening Ceremony, Paris
- Open Factory initiative



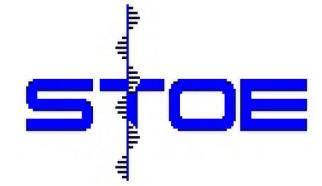
- IYCr Opening Ceremony, Paris
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- IYCr Opening Ceremony, Paris
- Open Factory initiative







- IYCr Opening Ceremony, Paris •
- **Open Factory initiative** •







## **Open Factory**

- 3x7 participants
- Full sponsorship
- Lectures
  - Dectris
  - Stoe
  - Xenocs
- Hands-on
  - Stoe, Darmstadt
  - Xenocs, Grenoble

X-ray Powder Diffraction (XRPD) Single Crystal Diffraction Small Angle Scattering









## **Open Factory**

- 157 applications -> 3x7 participants
- Full sponsorship
- Lectures
  - Dectris
  - Stoe
  - Xenocs
- Hands-on
  - Stoe, Darmstadt
  - Xenocs, Grenoble

X-ray Powder Diffraction (XRPD) Single Crystal Diffraction Small Angle Scattering









#### **Open Factory: DECTRIS Initiative in Africa**

• 7 participants











# **Open Factory: DECTRIS Initiative in Africa**

• 7 participants + 1











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## **Open Factory**

- 3x7 (+1) participants
- 9 nationalities
- 2 countries
- 10 days
- Numerous lectures
- Unlimited enthusiasm





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## **Open Factory: Opening ceremony**











## **Open Factory: Grenoble**











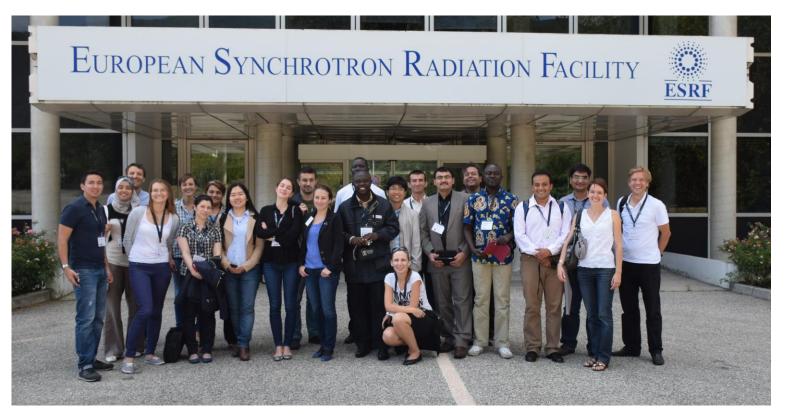
## **Open Factory: SAXS Workshop at Xenocs**







## **Open Factory: ESRF visit**











## **Open Factory: ESRF visit**







## **Open Factory: enjoying Grenoble**







## **Open Factory: Back to Darmstadt**











## **Open Factory: SC and XRPD workshops at Stoe**











## **Open Factory: closing ceremony**











## **Open Factory: party in Darmstadt**







## **Open Factory: success!**

From the IUCE-UNESCO OpenFactory Participants 22014 "STDE" KOTTA DEXWART - Stoe", many thanks for giving us this opportunity. Alg-Tun, " Stoe , شكرًا جزيلا لأنكر أنطيتهونا هذه العرصة (Alg-Tun) -CTACUED BONDINOE "STOE" 30 BOE !!! (RUSSIA) \_ Hvala vous na prelijopour iskustivu. (CRATIA) - Muchas gracios "Stoe" por esta oportunidad y gran, conocimiento !!! (Costa Rica, Colombia, Mexico) 一语1鼎"stoe",调1鼎体们结我们这么好的机会,调调的们事苦的付出,非常 ●1翰! (Chenyang Wang 素和正, 本ing giang 美志,勇) - Thanks Stor For this great opportunity. We had a lot of fun !!! (US) KOCHANE STOR MATSERDECZNIETSZE PODEFLOUANA ZA OBJĘDNIE NAUKONO-INTEGRACYJNE DNI N GRENOPULE I DARMSTADT. BUZIAKI KT+K \* \* -SEA ELEVALG STE SEMENTATIE - Tejender (INDIA) نركا -مقصودا عد بالشان بهت بهت شکریه معلوف موقع قرابهم در Nos sinceres remerciements a STOE Obrigado pelo excellente evento Brasil have alst the bially operate ?. Arriba, Abaio, Al centro, MAGIC-CHART Ader



## **Open Factory: success!**





## **Other initiatives**





Pan African and South African Summit meeting University of Free State, South Africa, Prof. Roodt









### Other initiatives

- Hot topics in Contemporary Crystallography, Sibenik, Croatia
  - Aleksandar Višnjevac, Stanko Popović





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### Initiatives: staying in touch

- Erice crystallography school
  - Full sponsorship of one student: Ivica Đilovic (OF)





#### Initiatives: staying in touch

- Erice crystallography school
  - Full sponsorship of one student: Ivica Đilovic (OF)
- North African Crystallographic Meeting
  - Financial support
  - Organizer Habib Boughzala





### **Other initiatives**

- Hercules School (France)
  - Full sponsorship of one student
  - Lectures
- Hercules School (Taiwan)
  - Sponsorship
  - Lectrures
- Zurich Crystallography School
  - Sponsorship
  - Beamtime at Swiss Light Source
  - Lectrures





# **Detecting the future**

#### 1. Young crystallographers

- Modern technologies
- Old theories
- Financial support

#### 2. Sustainable development

- Support
- Support
- Support



# **Detecting the future**

#### 1. Defining $\checkmark$

- an interest group
- a region of interest

#### **2.** Organizing admission-free $\checkmark$

- Schools
- Workshops
- Meetings
- 3. Sharing expertize ✓
  - Instrumentation
  - Theoretical crystallography

#### **4.** Sustainability: staying in touch ✓



### Why bother?

- 1. Because we ARE detector developers
- 2. Because we ARE crystallographers
- 3. Because crystallography IS experimental technique

Because we need to look towards brighter future: for a new generation of crystallographers





detecting the future

# Thank you for your attention!

www.dectris.com

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