some free ressources



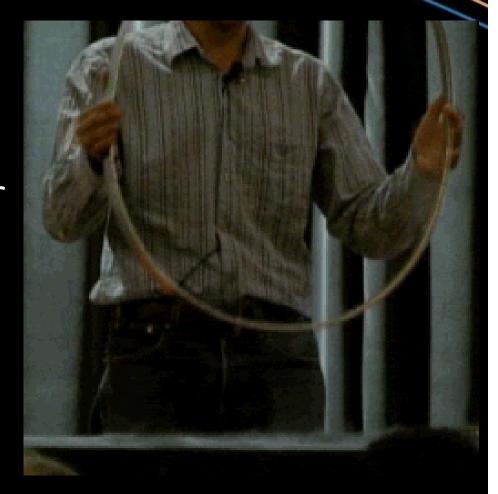
All videos and pictures for the supradesign project : www.supradesign.fr

All explanations and videos about superconductivity for large audience : www.supraconductivite.fr

All videos & animations on youtube : http://www.youtube.com/user/vulgarisation

If you want to use, copy, paste, etc, I can help: Julien Bobroff jubobroff@gmail.com

how to talk about quantum physics for the general public?



J. Bobroff Laboratoire de Physique des Solides, Orsay, France









Why?

- part of our mission ?
- useful training
 to find new students,
 to write reports
 and proposals,
 to communicate
 about your own results



• this is fun!

« quantum physics for the general public »

general public?

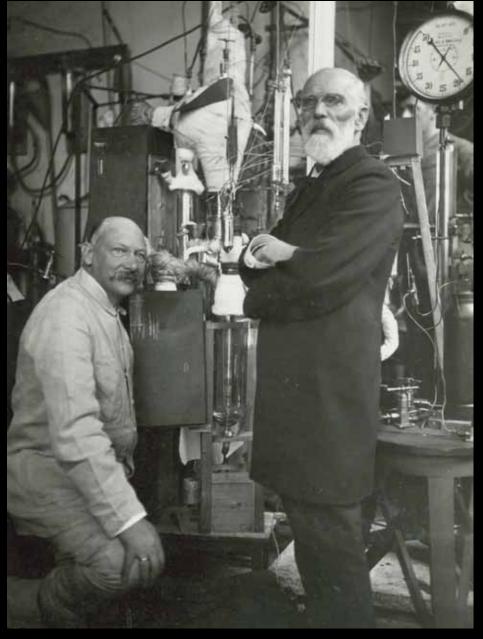
- Non specialists (adults, kids, teenagers)
- Media
- Policy-Makers

Problems?

- the topic : quantum...
- the format : not what we are used to
- the fear of the public and the media

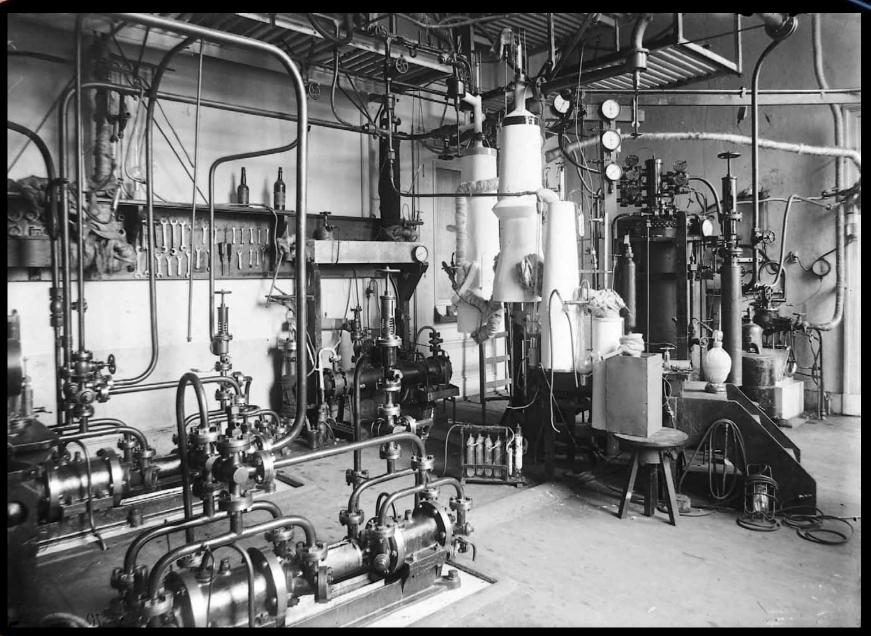
A nice solution: superconductivity





Misee Boerbaeven Leyde

Kammerlingh Onnes



Leyden, 8 april 1911



© Musee Boerhaeven Leyden

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Nice easy-to-perform demonstrations







SUPRA 2 0 1 1

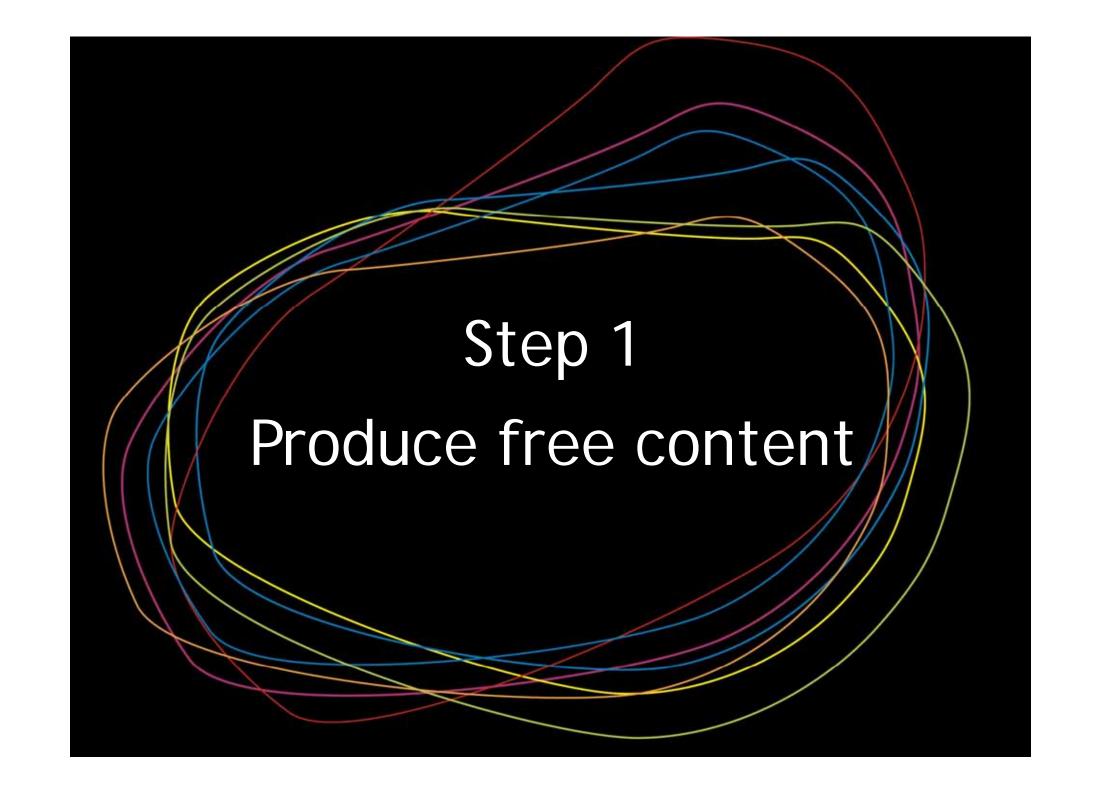
The message:

Superconductivity is both fundamental and applied physics, and, despite its age, very modern and alive



5 steps

- 1. Produce content
- 2. Motivate your community
- 3. Communicate
- 4. Action
- 5. Have fun



Websites

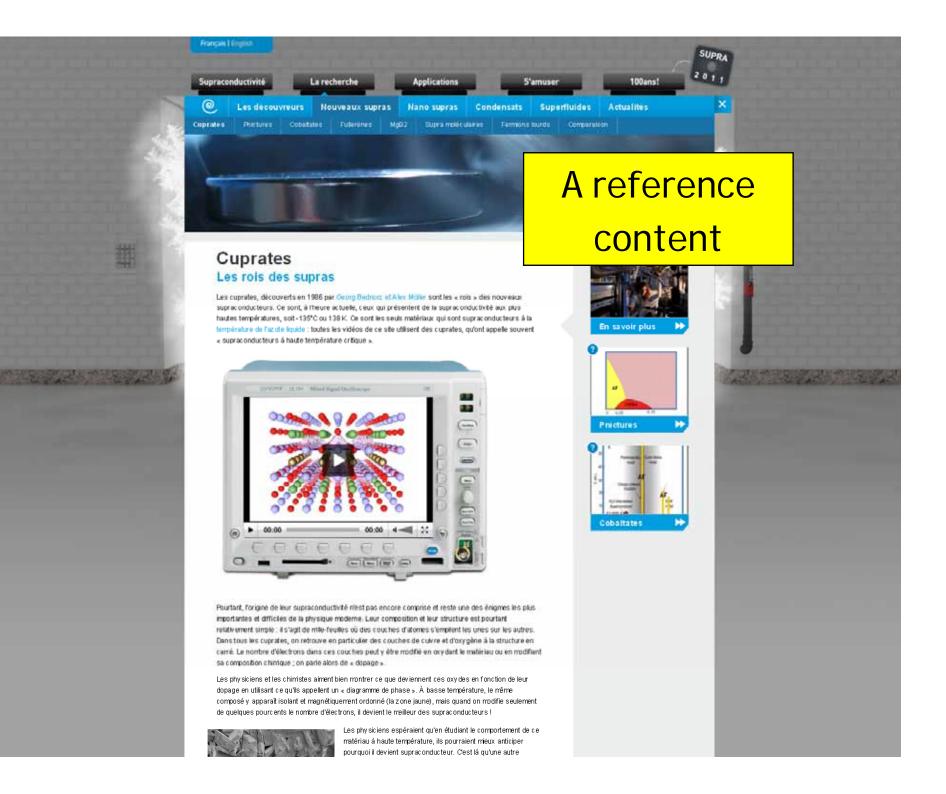
a collaborative blog among researchers

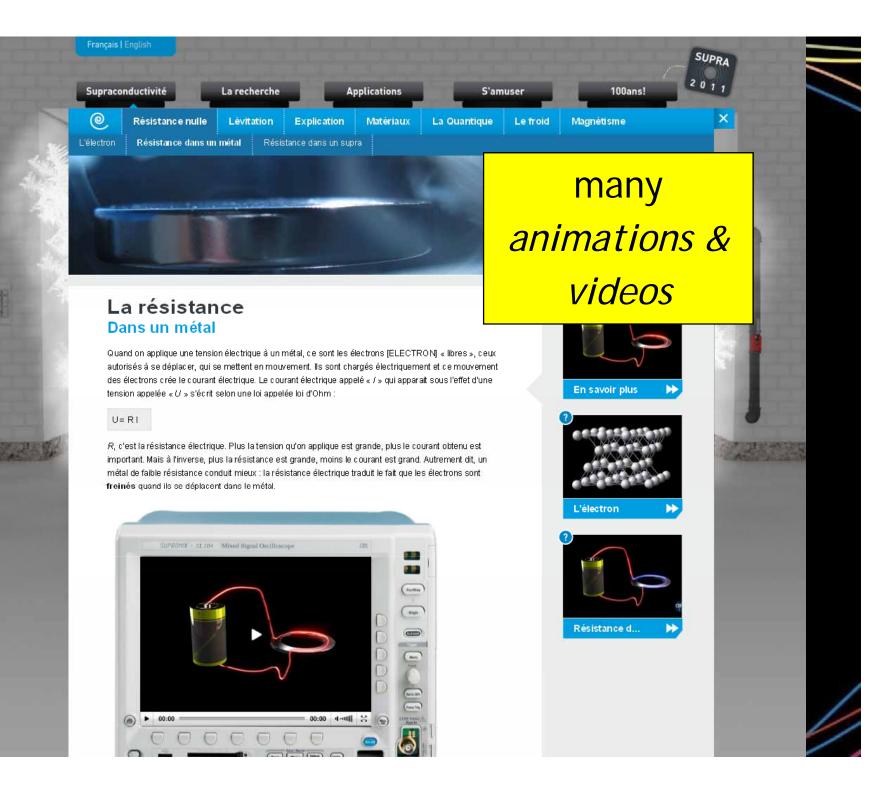
www.manipsupra.fr

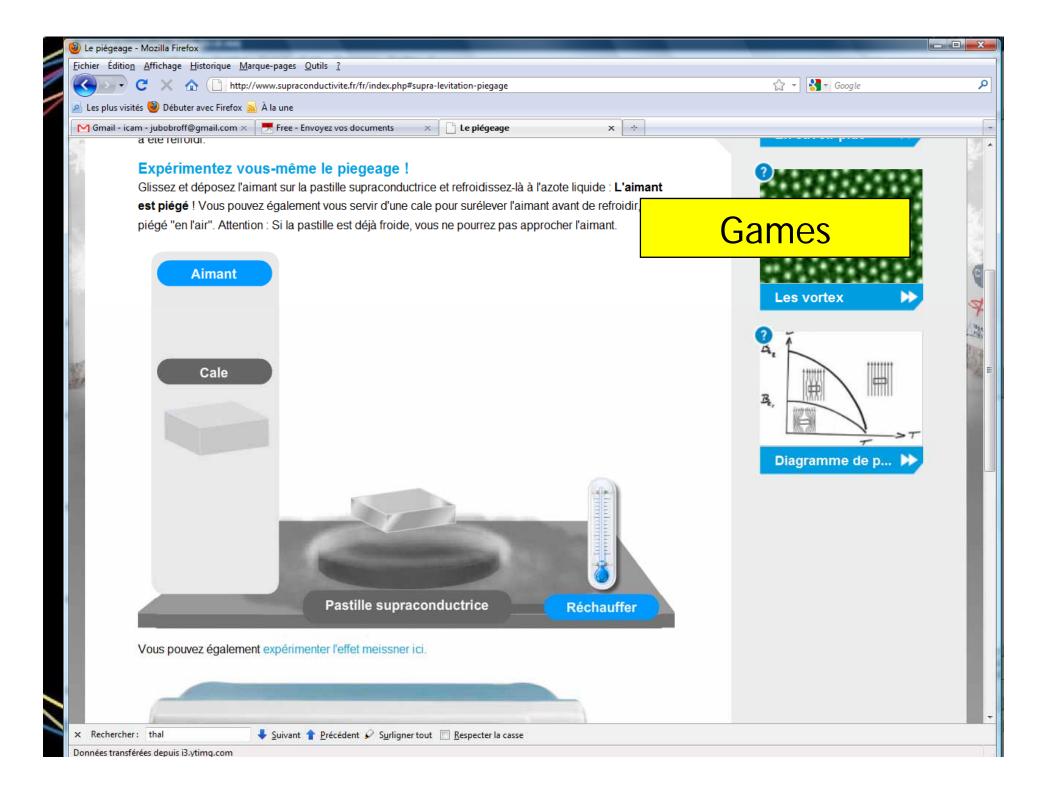
a website for all the events and ressources for large audience
www.supra2011.fr

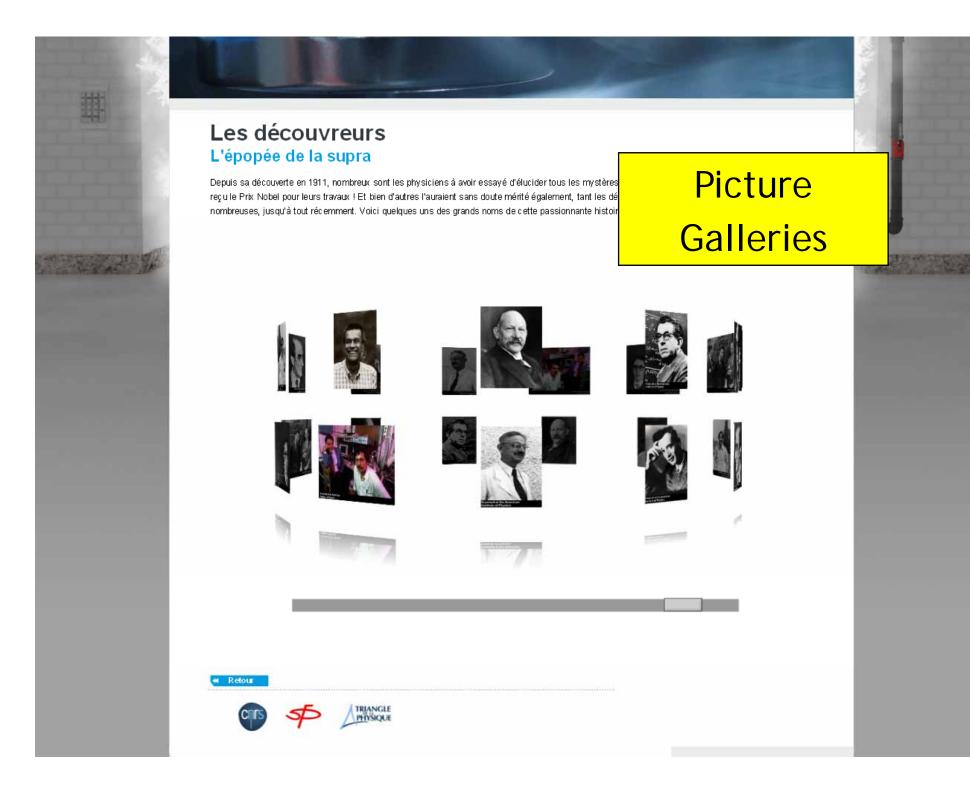
 a pedagogical website for large audience www.superconductivity.eu

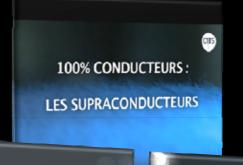
www.superconductivity.eu French **CNRS SFP RTRA** Supraconductivité? 2011 La Recherche Les applications S'amuser 100 ans!











a 10 mn movie (also in english)



a duplicable exhibit + a flyer

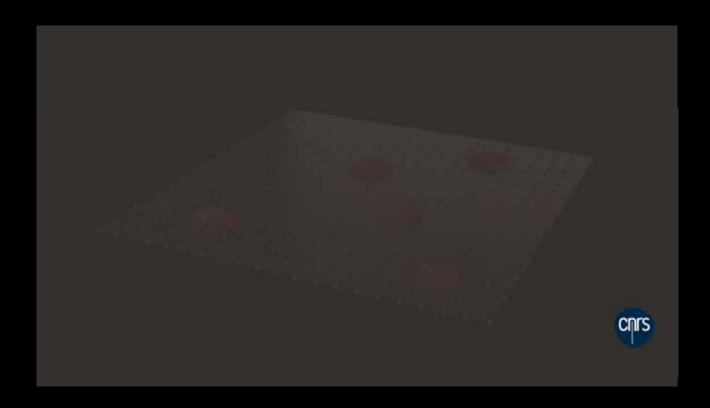
a journal (also in english)

free animations



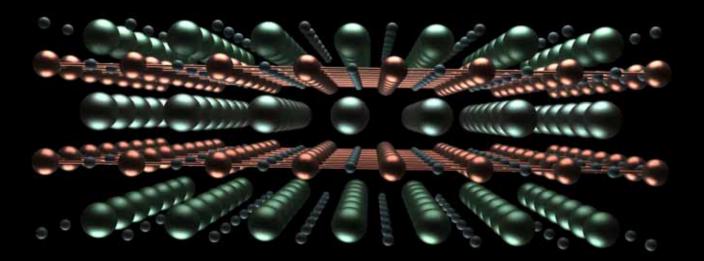
youtube : vulgarisation bobroff

free animations



youtube : vulgarisation bobroff

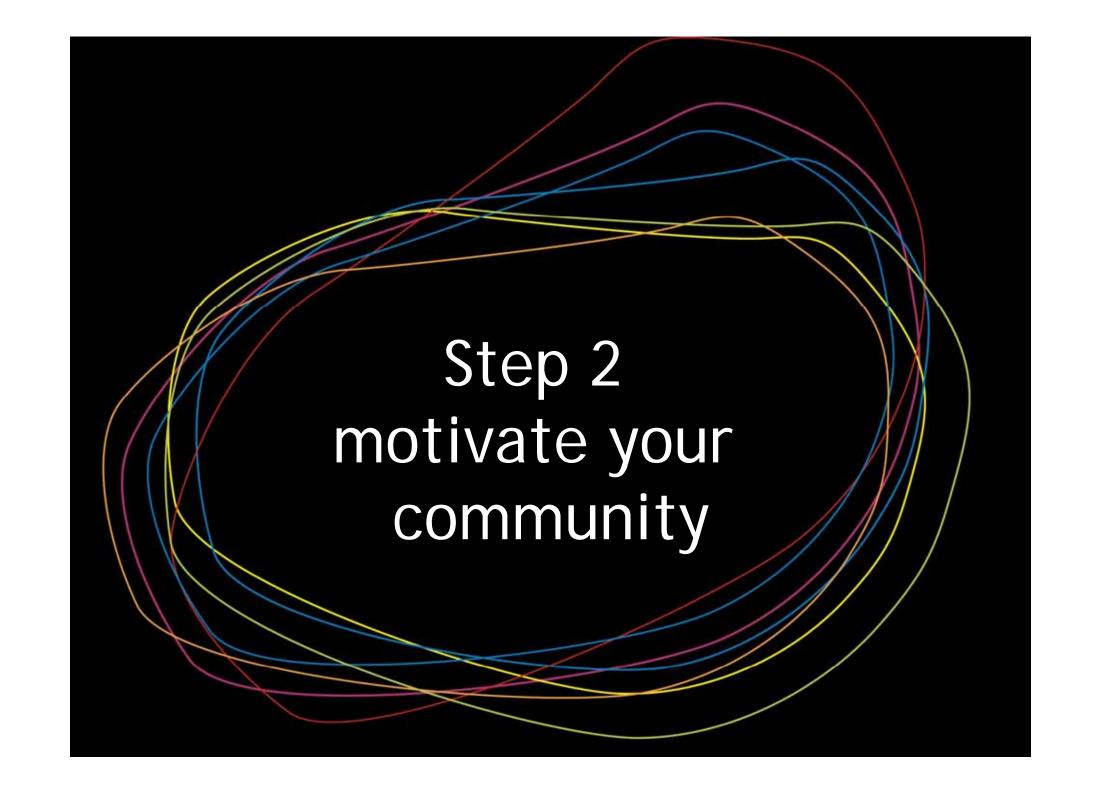
free animations



youtube: vulgarisation bobroff

free pictures

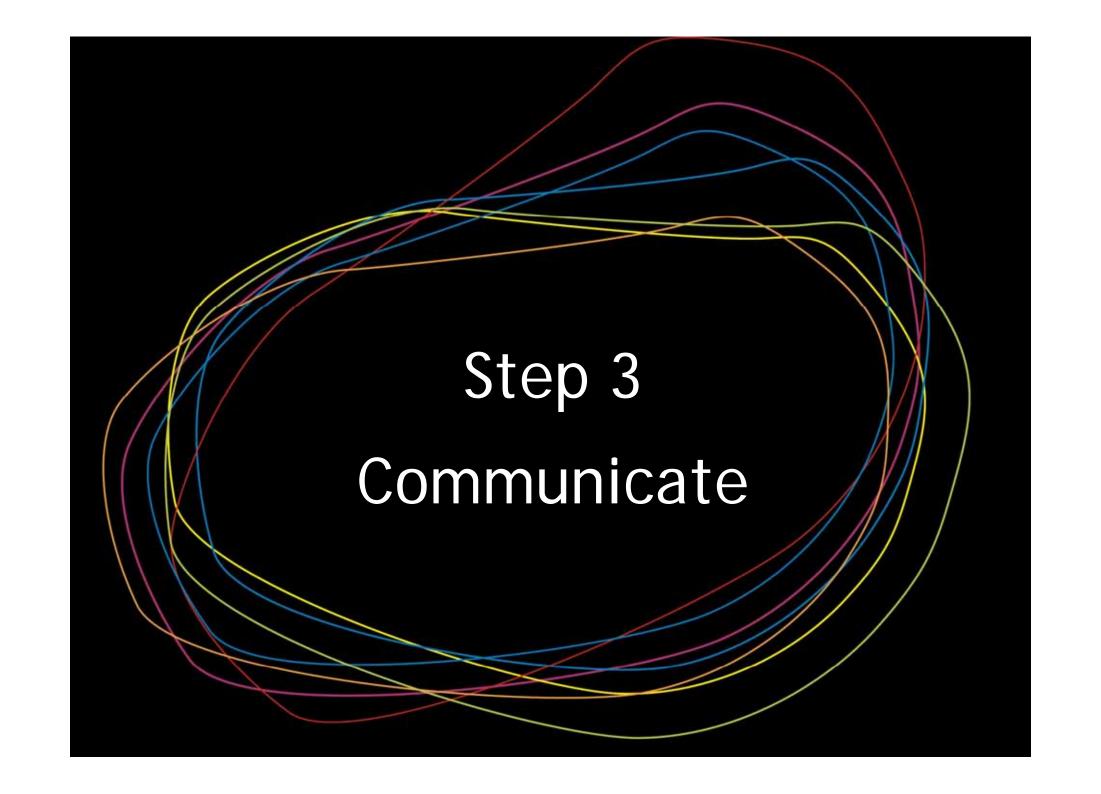




Encourage initiatives all over the country

- National representative comitee
- Local comitees with motivated researchers
- Contents already available
- Blog for collaborative help
- National scale gives credibility





The media

- Propose collaboration with communication services
- Find a new angle
 - •kids
 - levitation
 - AVATAR
 - design
 - applications
 - new generation of researchers
- Train yourself before

The web

Blogs, Youtube,
Social networks

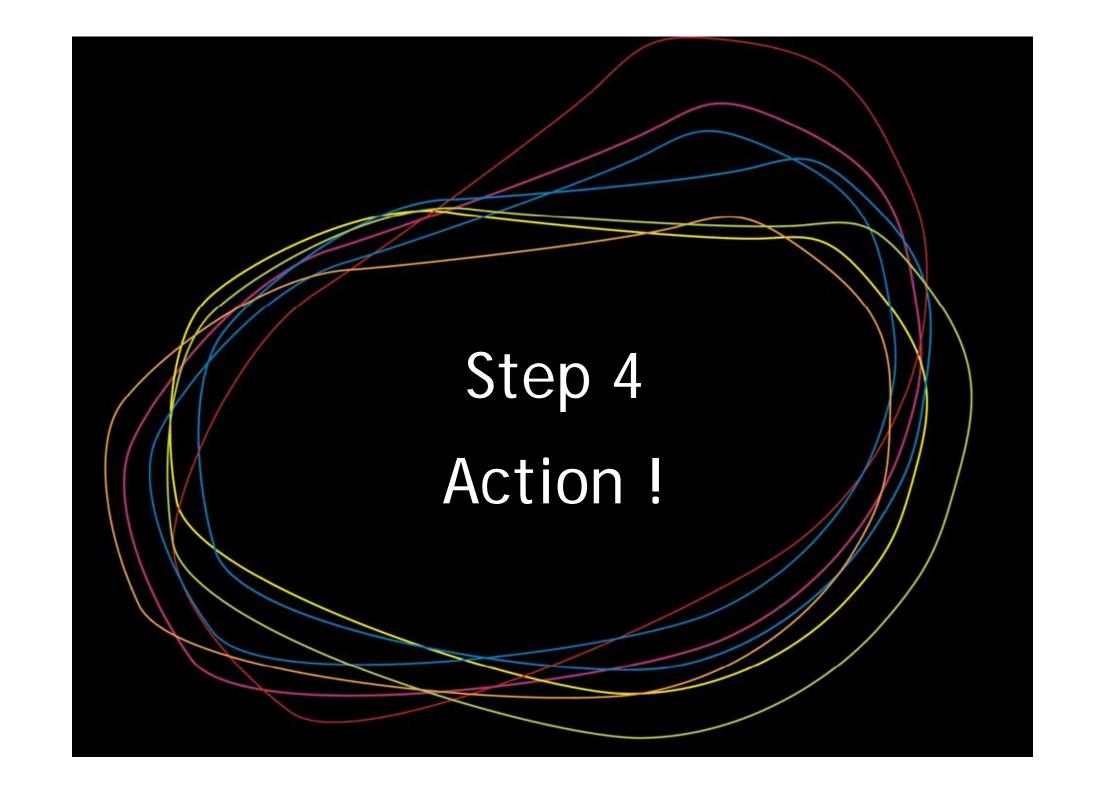
Outreach websites

Wikipedia









small scale actions

1 researcher + 1 powerpoint + 1 levitation kit

- conferences in the townhall
- conference/exhibit at the local science museum
- going into highschools
- animations with live demos in the university restaurant, in the street, at a theatre festival, in a bar...





larger scale actions

researchers + money + institutions + media

A superconductivity party

in Paris, on 18 June





3 conferences

700 people







22 researchers, 6 animations









interactive games with kids (6-10)



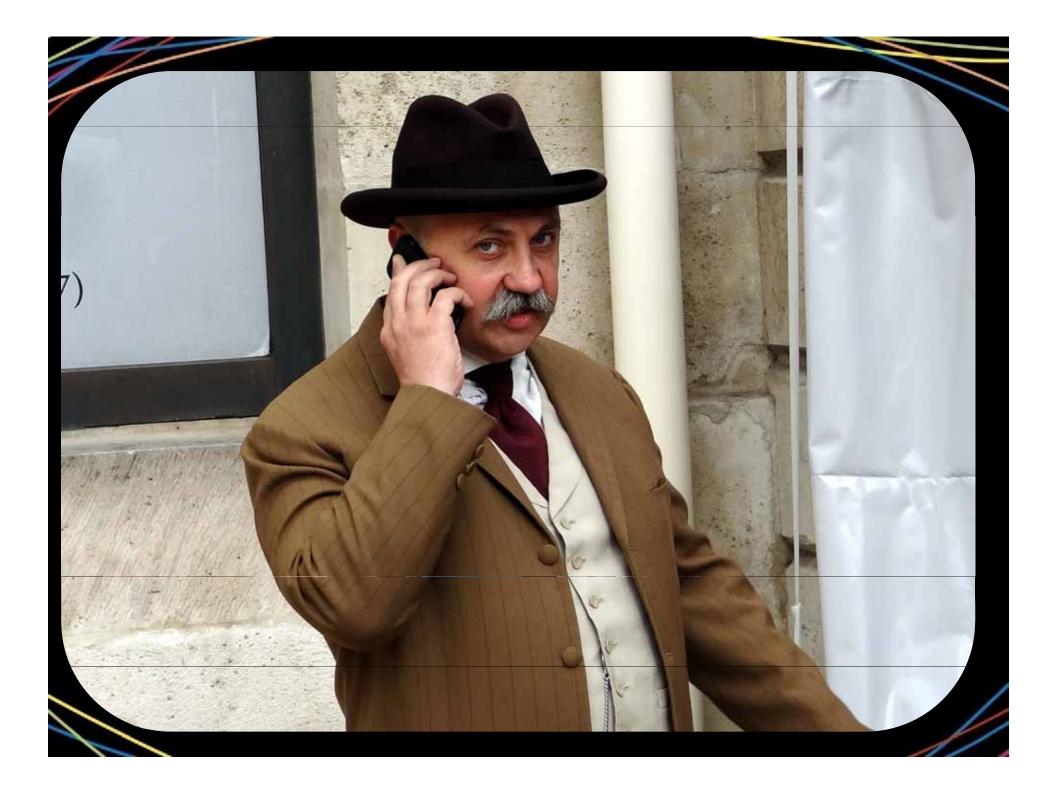






A fake lab with Kammerlingh Onnes himself







Human levitation

800 people got their diploma











more than 3000 people came to see quantum physics despite the rain







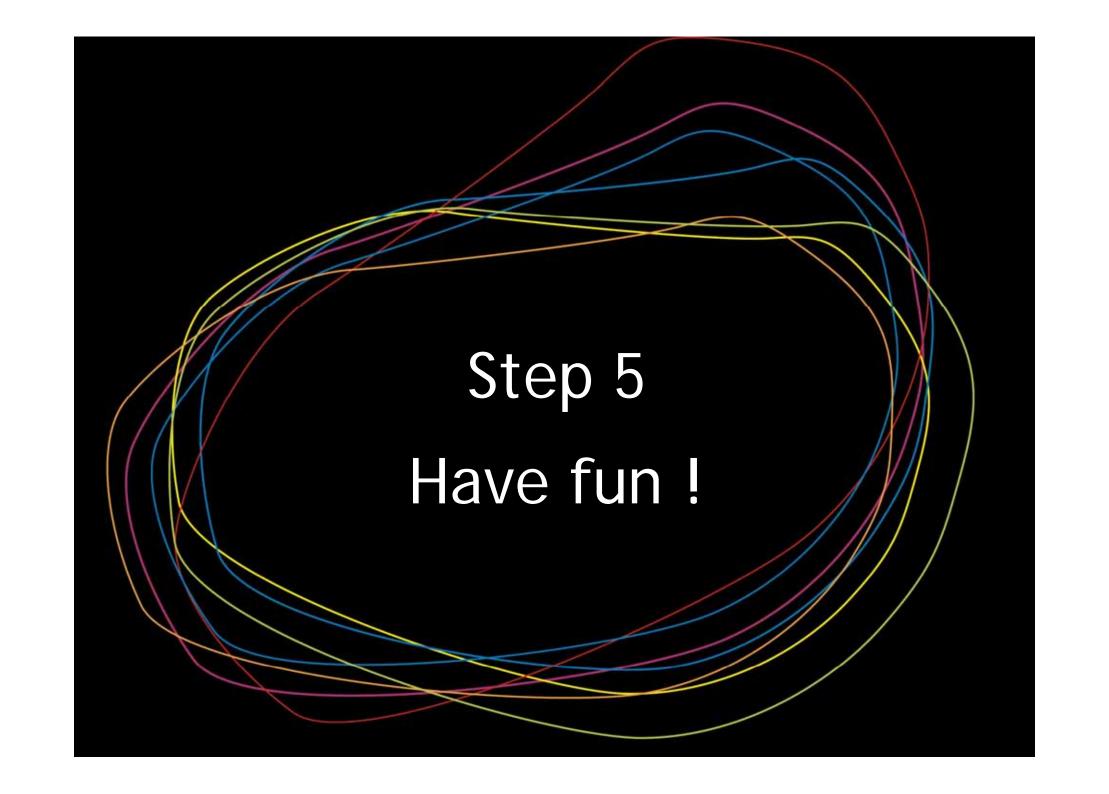
Collaboration with Science Museums











The Supra Design Project

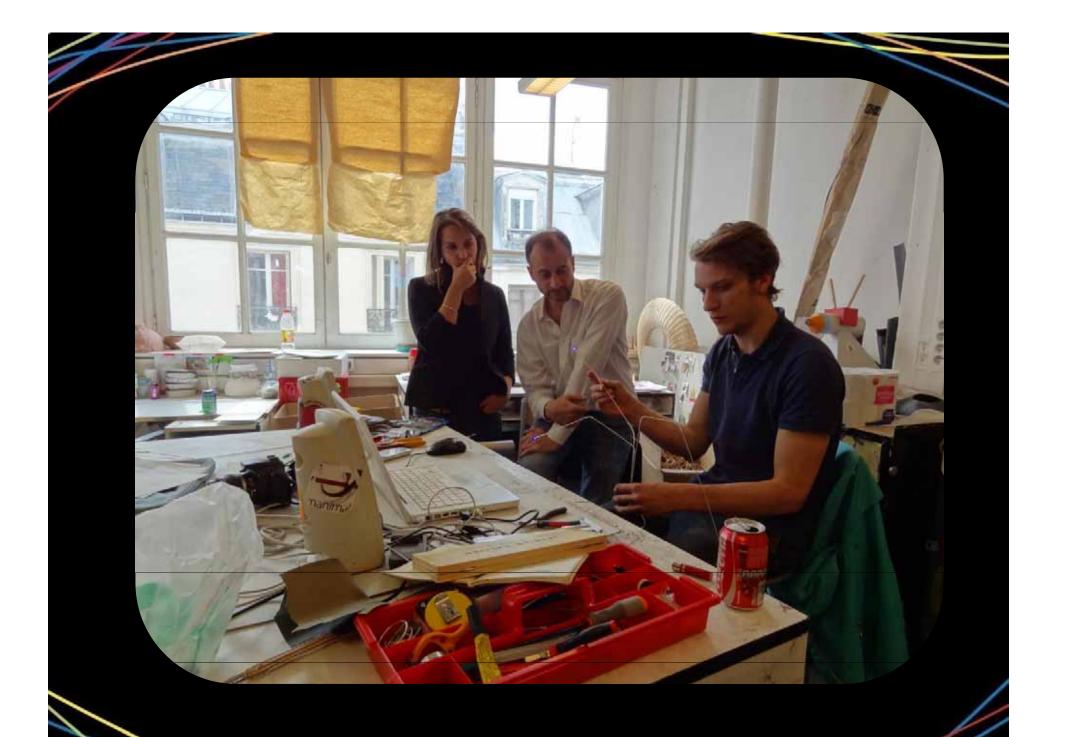


ENSCI, Atelier Formes & Matières,

F. Azambourg, C. Chambon avec le soutien de la Mairie de Paris, Universciences, Nexans, CNRS

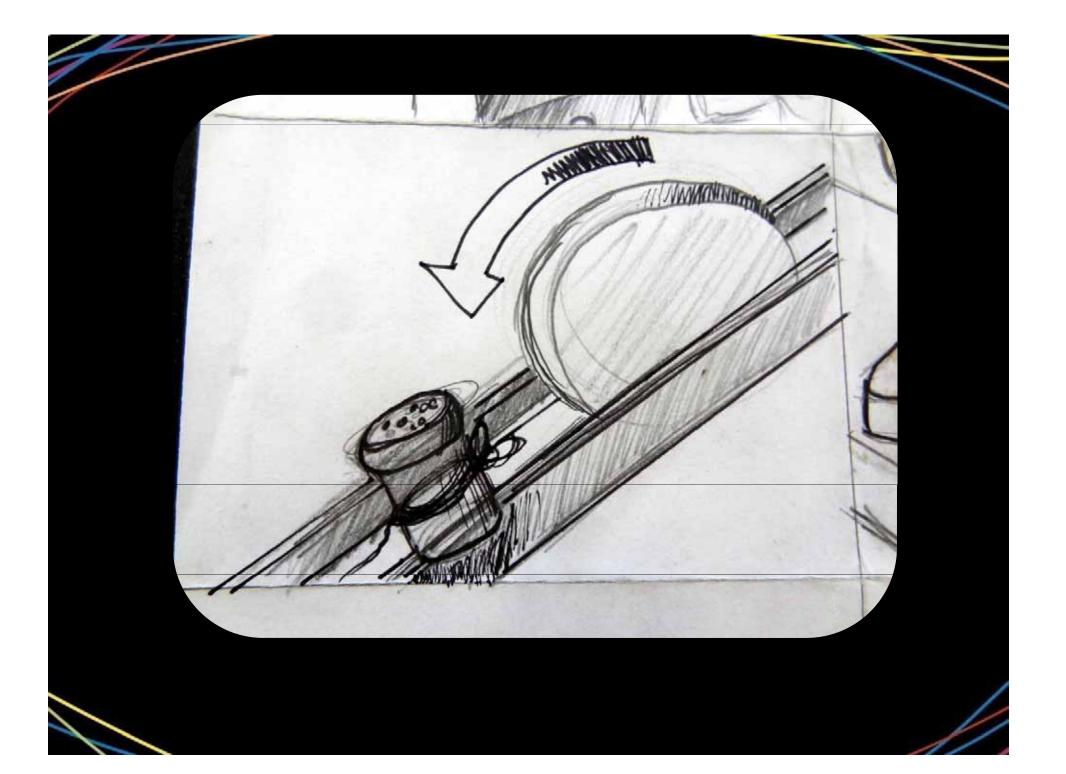


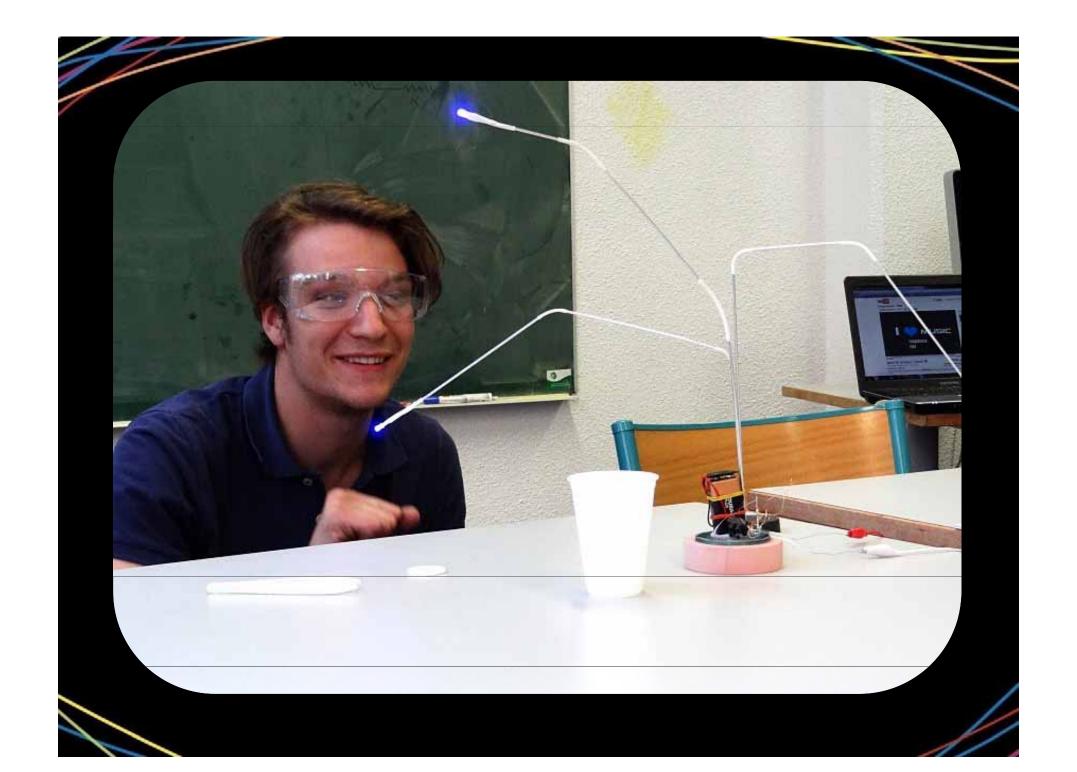


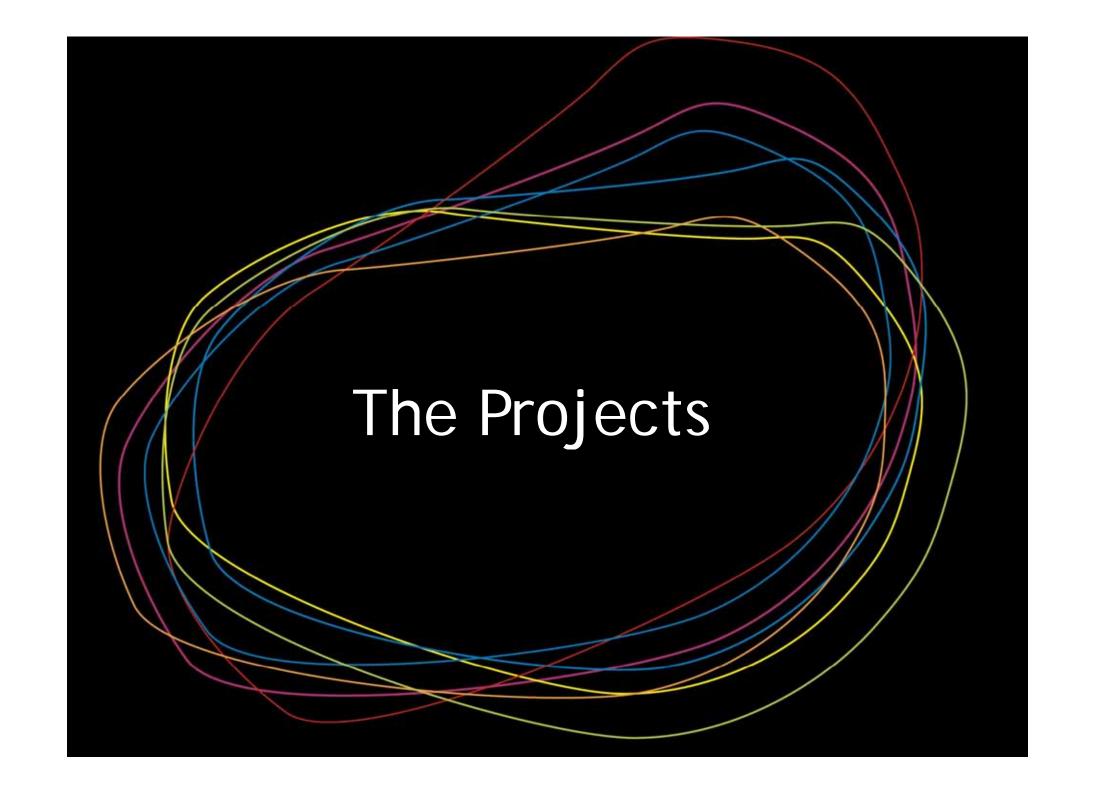


Soit je le fais le pot de crême soit j'achiete



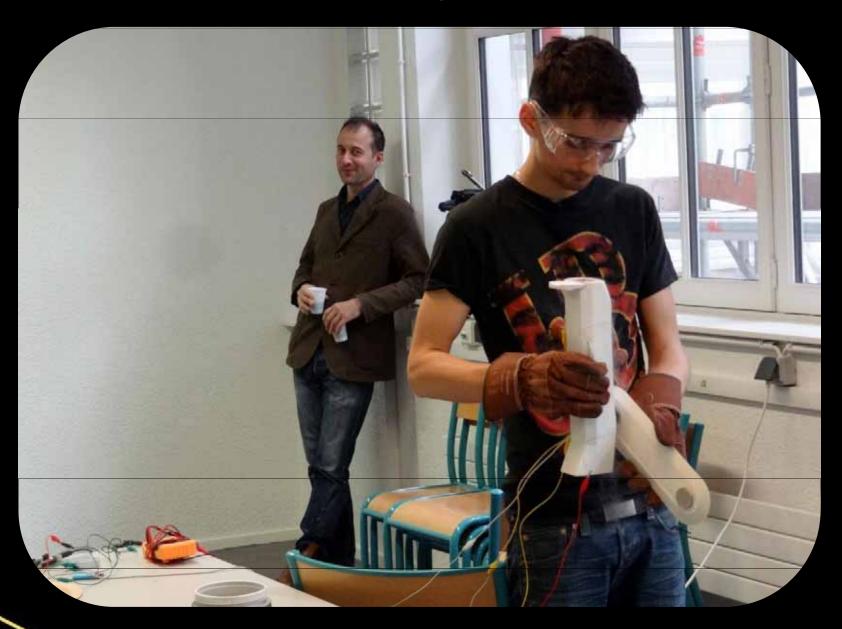








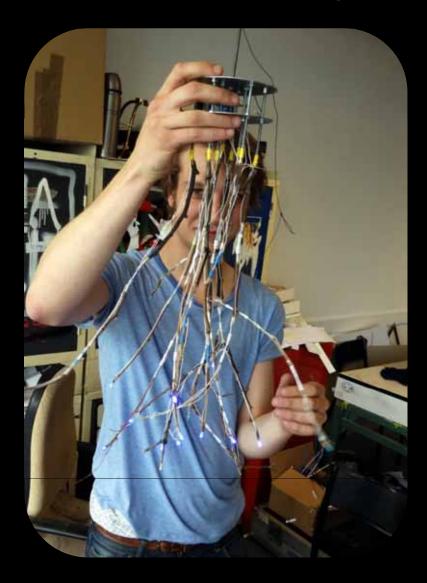
The supra-Son



The SupraStation



The Supra-light sculpture





What if Superconductivity was found at room temperature?

Supra at Home



Supra at Home



Supra and Sport



supra and jewels



If you want to get involved

- not so hard
- •we offer all our free content : website, photos, animations, movie, online videos...
- we can help for building demonstration kits

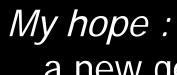


you can help with translatations









a new generation for outreach in physics among our community







some free ressources



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