

### CuttingGardens experience

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# CuttingGardens experience



Sharing globally to build locally

Presentation at Journée conférences éco-responsables 27/05/2024

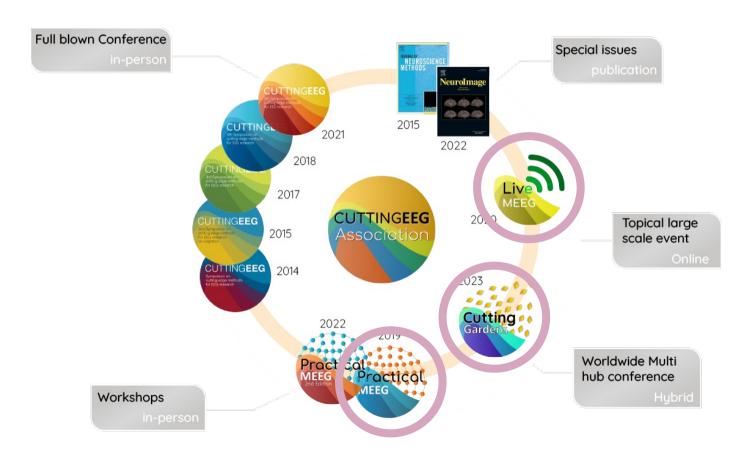
M.Chaumon - A.Corneyllie







## A CuttingEEG story



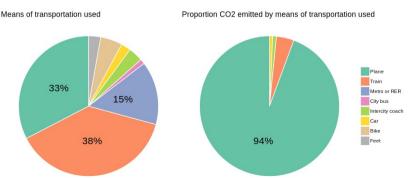
## Responsible conferences @ CuttingEEG

PracticalMEEG 2019 workshop in Paris

- 123 pps → 40 tons (94% plane travel)
- Green travel grants:
  - 100% reimb. train ride longer than 7h,
  - 50% for shorter trips
- Local, vegetarian, plasticfree catering
- Reusable cups at social event...

Largest impact = aerial transportation





2020 happened...

# Advantages and disadvantages of online conferences

### Advantages over traditional conferences:

- carbon impact
- accessibility and inclusiveness

### But also new problems:

- compartmentalisation of exchanges
- physical isolation
- difficult spontaneous encounters

### And some old ones:

- Western language and cultural codes imposed
- It's not easy to get started!











### LiveMEEG 2020











12 Round Tables



Live shows

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### LiveMEEG 2020



# (Flash back Labos 1point5 day, 2020

https://app.gather.town/app/4Gx04zGbAYETn8tT/Labos1point5



The think tank intellectual re in-depth de

For more inform page. Tioin t





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tated platform,

rse nto action connected

#THINK TANK MEMBERS

551

#RG MEMBERS

273

**#GHG INVENTORIES** 

2510

#LABORATORIES

1227

## Flash forward Labos 1point5 day, 2024!





https://l1p5-2024.sciencesconf.org



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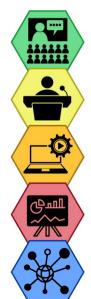
## CuttingGardens

A distributed conference taking place simultaneously in several locations (gardens) around the world, with :



- A common global program broadcasted live
- Local programmes to suit all tastes

	Mon. October 16th	Tue. October 17th	Wed. October 18th	Thu. October 19th	
		Local	programs		
uth erica IT -4)	Theoretical Advances in Cognitive Neuroscience made through MEEG	Challenges and Opportunites in Real Time EEG processing and classification tools for Brain Computer Interfaces	Reproducible Processing Pipelines and Multiverse Analysis	Deep Neural Network Analysis of MEEG data	Europ (GMT +
:20 -	Introduction	Introduction	Introduction	Introduction	- 14:2
	The Gut-Brain-Consciousness AxisCatherine Tallon-Baudry	Geometric Deep Learning meets BCIReinmar Kobler	EEGManyPipelinesElena Cesnaite	Learning M/EEG Representations with Self-Supervision Hubert Banville	14:3
):15	Tracking Attentional Dynamics Across Vision, Working Memory, and Action Freek Van Ede	Facing the Small Data RealityMichael Tangermann	The Data-Processing Multiverse of Event-Related Potentials Peter Clayson	Classic Machine Learning versus Deep Learning: Is there a Clear Winner?Maarten De Vos	15:15
:00 -	break	break	break	break	- 16:00
L:15 -	Emergence of language during early developementClément François	Conducting BCI Protocols with Patients Theresa Vaughan	Agreed Reporting Template for EEG Methodology - International Standard Anđela Šoškić	Using Artificial DNN to Predict and Understand Human Vision Radoslaw Martin Cichy	16:15
2:00 -	Discussion	Discussion	Discussion	Discussion	- 17:00



Attendee badge

Speaker badge

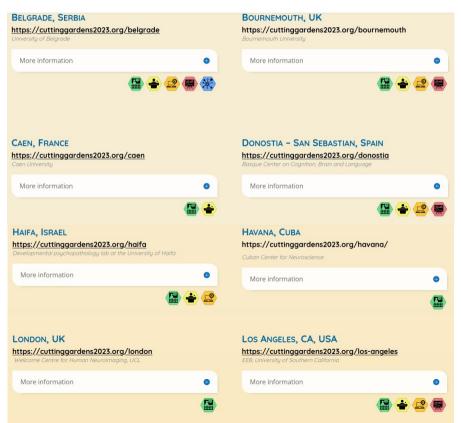
Tutorial badge

Poster badge

Satallita badaa

### Variety of commitments depending on opportunities

21 gardens, from ~10 to ~120 participants





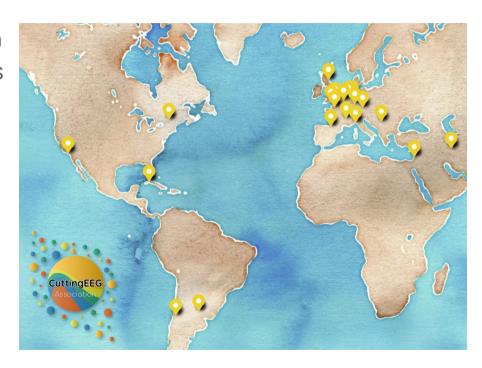
## Governance and funding

Federal governance → each Garden manages its own event and benefits from the global programme.

Global tasks carried out by dedicated working groups.

Participants = members of the association (50€).

Fees waived upon request.



# A few key figures

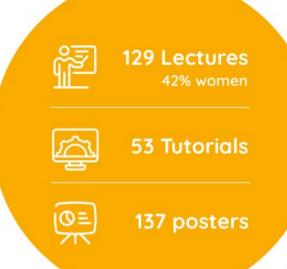
21 Gardens -112 Gardeners

1 online forum1 online cloud

26 online sessions, available for replay

1000 participants worldwide 20% online

Gardens'
local
programs
overview



### Positive feedback

"The participants enjoyed both scientifically and socially, and we had the opportunity to create a local network that we hope to keep alive :-) I am very happy with this magical experience and all the seeds we planted!"

Genova

Garden

"Thanks to the childcare offered, my kids are well taken care off and I don't have to miss out on the scientific exchange. Win-win for everyone."

Hamburg Garden

"it was a wonderful opportunity to get involved with the greater EEG community, especially the CuttingEEG organization and try our hand at organizing a conference."

Gorden

"It would be difficult to assemble such a programme, and to organise everything else that happened on the local level, if we were only organising an isolated local event, not to mention that we probably would never think to try."

Belgrade Garden

"We got a chance to make new connections and strengthen old ones, as well as to make Belgrade more visible on the map of neuroscience, which is not easy when you work in a community as small as ours."

Belgrade Garden

"This gave us the chance to showcase the science developed by our center in the field and delve into an exceptional local setup. We advanced good practices, nurtured a sense of conviviality, and addressed the ethical and professional responsibilities specific to our context, related to ecological emergency."

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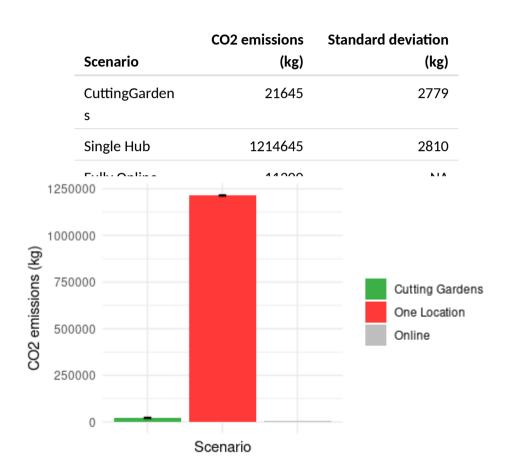




## Carbon footprint analysis

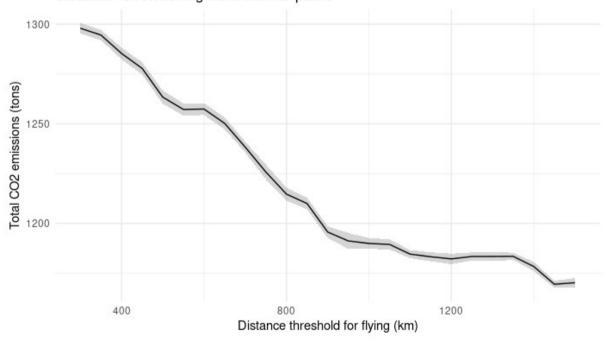
Comparing three carbon footprint scenarios:

- CuttingGardens scenario:
   Participants converge to local hubs
- Single Hub scenario:
   Participants converge to Paris
- Fully online scenario:
   Participants all watch the full online content



# Enforcing short distance with train

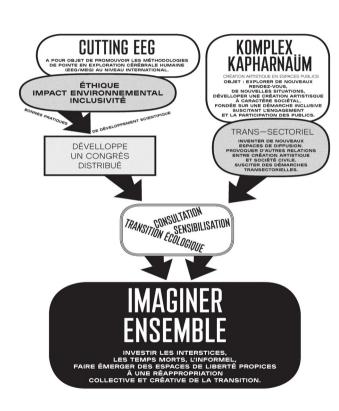
Conference CO2 emissions as a function of distance for switching from train to plane



- 10% decrease by enforcing all short distance travel by train
- 90% emissions from distance above 1400 km

What diversity allows...

# Lyon Garden (France)



# *APHARNAUUM*



# CUTTING—KAPHARN



Granularity?

# COTTING—KAPHARN



France's main garden

Granularity?

# COTTING—KAPHARN



France's main garden



Granularity?

Hosting international organizers Expected: ~100 participants



# CUTTING—KAPHARN

### Lyon Garden



~450 personnes





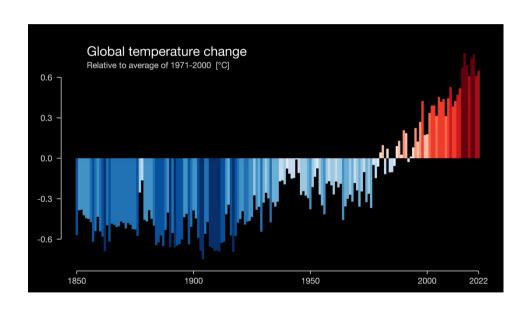
Hosting international organizers Expected: ~100 participants



Extend space



### Raise awareness sustainable + equitable future

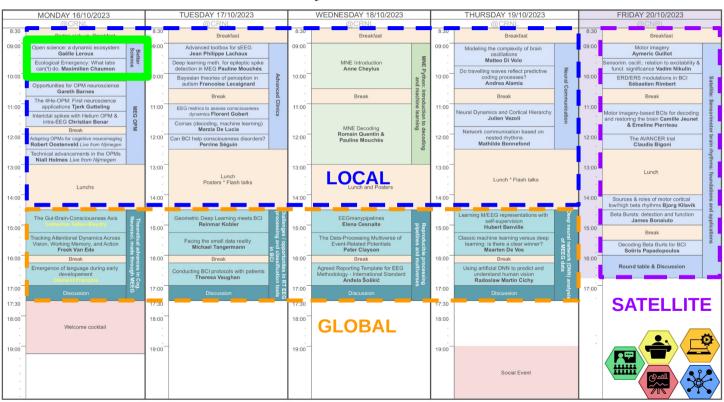


# KAPHARNAIIIM

### Lyon Garden



### Raise awareness sustainable + equitable future



# COTTING—KAPHARN



# Raise awareness sustainable + equitable future





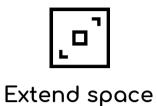




Congress = Key moment
Informing / Experiment

Participants + CRNL Local staff







Raise awareness



# **UTTING—KAPHARN**

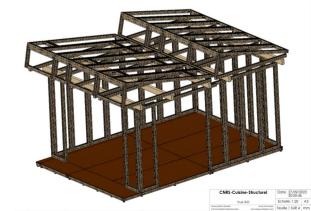




### **KOMPLEX KAPHARNAUM**

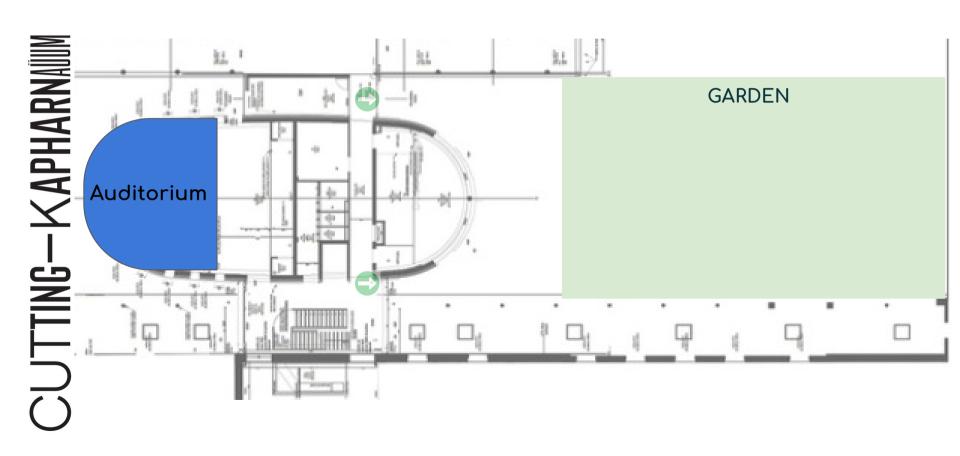


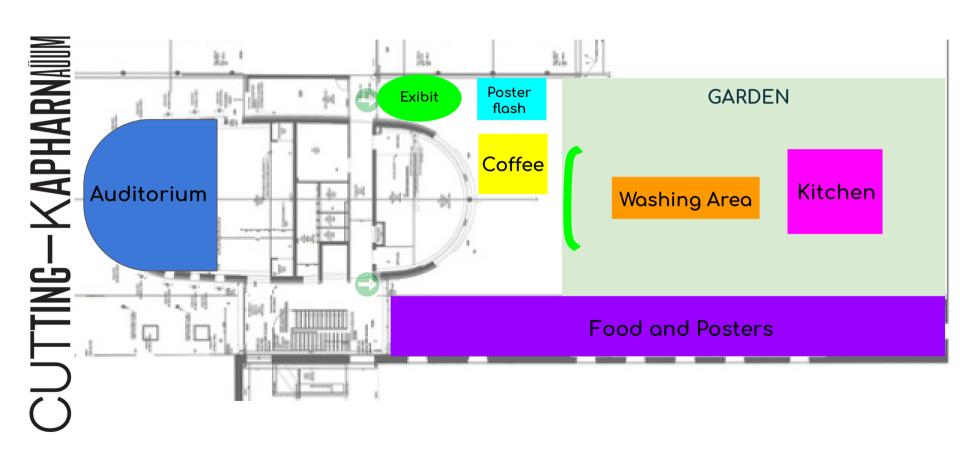












### Attendees





Food and Posters

### **Attendees**













#### Attendees





water -> garden

Washing Area



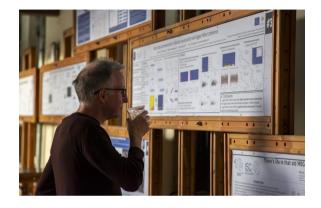


Attendees + CRNL members



Coffee

#### **Attendees**



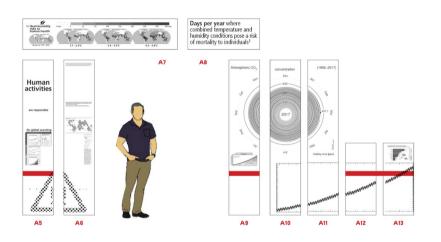




Poster Flash

# Attendees + CRNL members

### 'Meaning infrastructure'

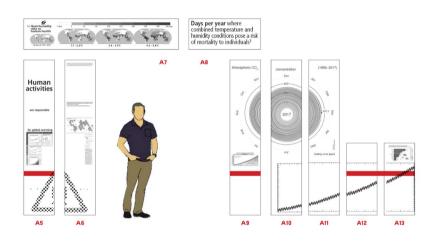






# Attendees + CRNL members

#### 'Meaning infrastructure'



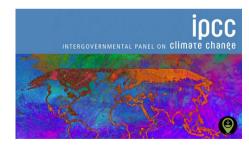


- Raise awareness on ecological emergency
- Question the scientist position / neutrality



# Attendees + CRNL members

- Climate change
  - O water
  - O soil
  - O air







# Attendees + CRNL members

- Climate change
- Scientists in laboratory







TAKING ACTION IN THE LAB



KICKSTARTING A TRANSITION GROUP IN THE LAB









# Attendees + CRNL members

Climate change

Scientists in laboratory

Scientists in society



« SCIENTISTS IN REBELLION : TESTIMONIES »



ET CHERCHEUSES Est proportion de leur savoir

LA RESPONSABILITÉ

DES CHERCHEURS

EXTRAITS DE L'ÉMISSION

« DE CAUSE À EFFET,

LE MAGAZINE DE L'ENVIRONNEMENT »
FRANCE CULTURE, 20 DÉCEMBRE 2022



« RÉSISTANCE CIVILE : DES SCIENTIFIQUES EN RÉBELLION »

> MANIFESTE De l'atécopol

**{**{

**}**}





- Climate change
- Scientists in laboratory
- Scientists in society
- Windows on civil actions



# Attendees + CRNL members



















movie

# **CUTTING-KAPHARNAÜM**

### Lyon Garden team



Scientific committee



Mathilde Bonnefond



Jérémie Mattout



Françoise Lecaignard



Fabien Perrin



Romain Quentin



Anne Cheylus



Nicolas Fourcaud-Trocmé

#### Right-hand



Hervé Hugueney



Alexandra Corneyllie

# Professional organizer



Adrien Schramm



Green coach



Maximilien Chaumon

#### GT Science & Climat















#### Gestion & Com



Florence Leger



Alexandra Fargeot



Cutting EEG association Adrien Schromm Christelle Independent Executive Zielinski Anais manager CRA Llorens (Executive CRA board) (Executive Advisory board board) CuttingEEG Sophie Herbst ssociation Alexandra Cornevllie CRA (Executive Anne-Sophie Clément board) Dubarry François Co-President Robert Oostenveld Maximilien Chauman Francois Founder and Tadel Co-President Inspirational Aina consultant Puce

#### Les Gardeners!

Manuela Ruzzoli (Donostia, Espagne) Svetlana Pinet (Donostia, Espagne) Xun He (Bournemouth, UK) Anđela Šoškić (Belgrad, Serbie) Raquel London (Ghent, Belgique) Natalie Schaworonkow (Frankfurt, Allemagne) Felix Klotzche (Frankfurt, Allemagne) Julia Chauvet (Nijmegen, Pays Bas) Yu Fang Yang (Berlin, Allemagne) Annalisa Pascarella (Genova, Italie) Chris Benwell (Dundee, UK) Vladimir Litvak (London, UK) Aygun Badalova (London, UK) Elio Balestrieri (Münster, Allemagne) Marius Zimmermann (Regensburg, Allemagne) Thomas Hinault (Caen, France) Jelena Mladenovic (Belgrad, Serbie) José Luis Ulloa Fulgeri (Santiago, Chili) Takfarinas Medani (Los Angeles, US) Christian Mista (Oro Verde, Argentina) Boris Lucero (Talca, Chile) Nastaran Darjani (Tehran, Iran) Gil Shner Livne (Haifa, Israel) Eduardo Martines Montes (La Havana, Cuba) Janet Perodin Hernández (La Havana, Cuba) Hamza Abdelhedi (Montreal, Canada)

### Perspectives





Inspire others

<u>Labos 1point5</u>

<u>Shifters</u>

Conference Inference

Be inspired by others

QCVN

Highlights HCRW



Papers in preparation

- Environnemental
- Social

Trudie Walters Social sciences framework Lincoln University New Zealand



... CuttingGardens 2026!

Connecting more labs, learning from different people / communities

Driving scientific meetings off the highway, on the socioecological trail.



# Thank you!