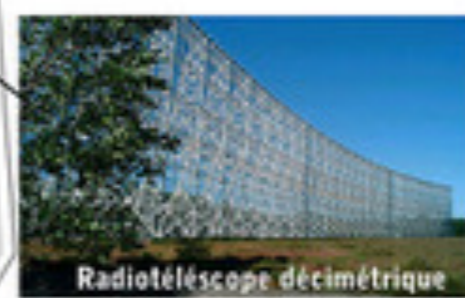
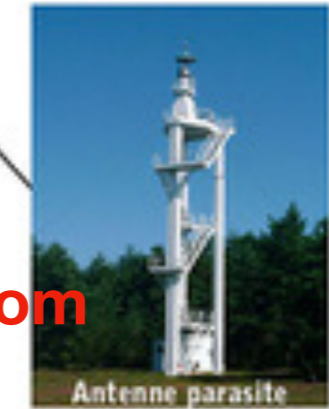
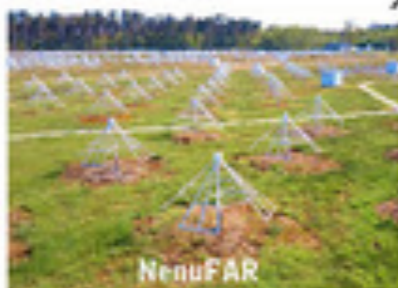
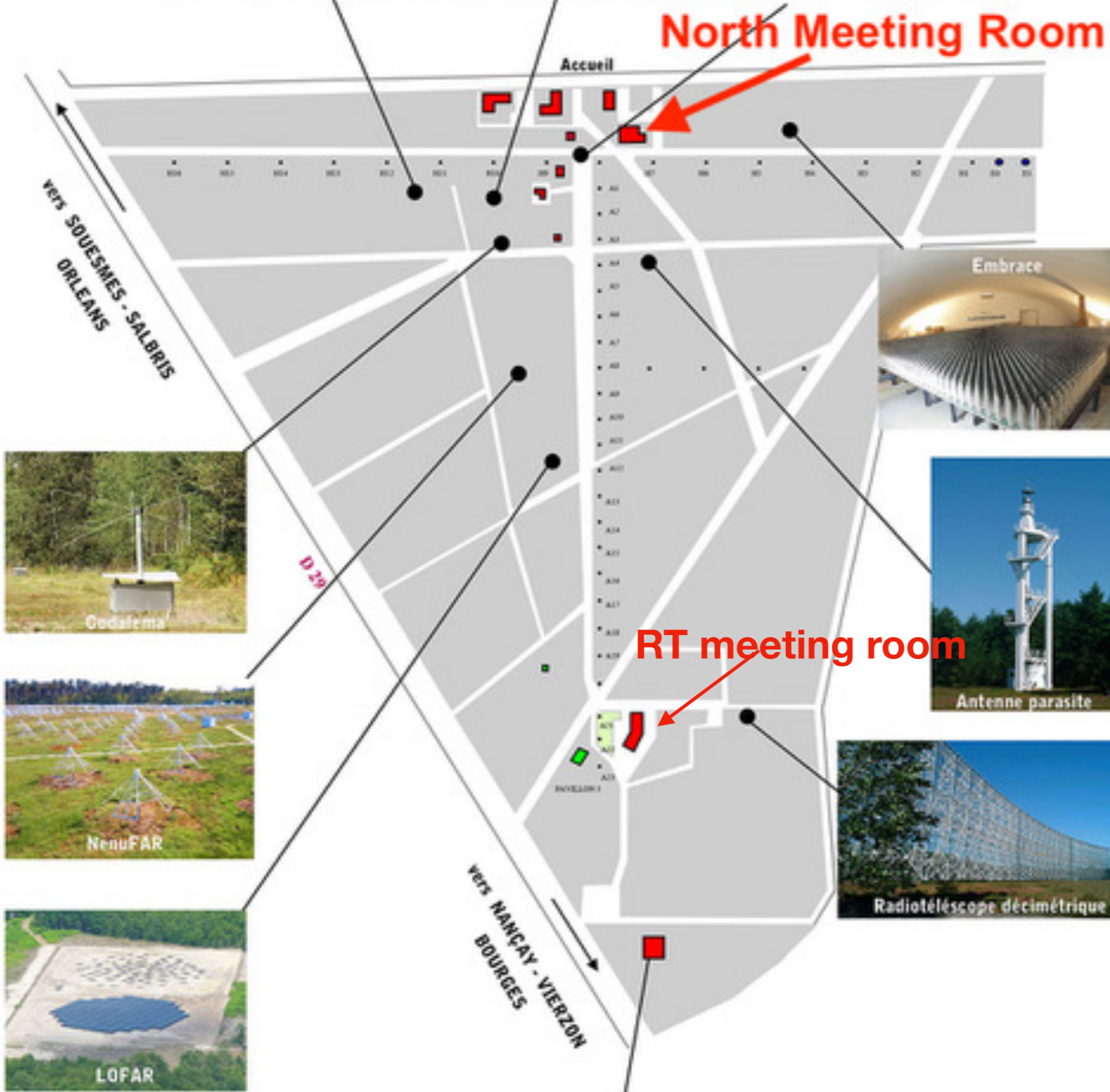
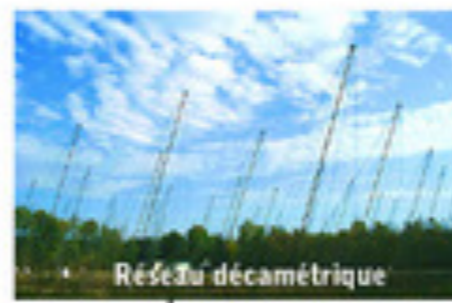


## **2nd NenuFAR User Workshop**

*17-19 November 2021*

# Nançay



# 2nd NenuFAR User Workshop

Wednesday 17/11

Thursday 18/11

Friday 19/11

	Wednesday 17/11	Thursday 18/11	Friday 19/11	
9:00	Version 9 - 15/11-2021	ES03: Pulsars KP (J.-M. Griessmeier) 20'	ES11: Solar KP* (E. Carley) 20'	9:00
		ES07: Jupiter* (L. Lamy) 20'	ES06: Planetary Lightning KP (J.M. Griessmeier) 10'	
9:30	Welcome Coffee	ES05: Fast Radio Bursts (V. Decoene) 20'	ES04: Transients KP (J. Girard) 10'	9:30
	Introduction & logistics (JG)		ES09: Filaments (E. Bonnassieux) 20'	
10:00	NenuFAR in 2021 (P. Zarka)	ES17: Radio amateurs* (JJM & D. Bourreille) 15'	ES12: RadioGamma KP (R. Dallier) 20'	10:00
		ES13: SETI* (G. Hellbourg) 15'	Open discussion about KP	
10:30	Presentation & updates on the system (C. Viou)	Coffee break (10')	Coffee break (10')	10:30
		Data hands-on overview (J. Girard)		
11:00	Coffee break (10')	Beamforming Data (P. Zarka)	Hand-on sessions (splinter)	11:00
	NenuFAR at the Nançay Data Center (J. Girard & B. Cecconi)			
11:30	ES01: Cosmic Dawn (F. Mertens) 20'	Pulsar Data (L. Bondonneau)	Advanced Imaging // Basic Imaging (2nd)	11:30
	ES10: Recombination Lines* (L. Cros) 20'		// Pulsar	
12:00	ES02: Exoplanets (P. Zarka) 20'	Imaging Data (J. Girard)		12:00
12:30				12:30
13:00	Lunch break	Lunch break	Lunch break	13:00
13:30				13:30

13:30  
14:00  
14:30  
15:00  
15:30  
16:00  
16:30  
17:00  
17:30  
18:00

<b>Tour of the NenuFAR Core</b> <i>(all)</i>
<b>The Virtual Control Room</b> <i>(A. Loh &amp; C. Taffoureau)</i>
<b>Tutorial #1: VCR</b> <i>(A. Loh &amp; C. Taffoureau)</i>
<b>Coffee break (10')</b>
<b>Tutorial #2: Nenupy</b> <i>Statistical data</i> <i>Instrument simulation</i> <i>(A. Loh)</i>
<b>Tutorial #3:</b> <i>Instrument sensitivity</i> <i>Tools</i> <i>(P. Zarka)</i>

<b>Hand-on sessions</b> <i>(splinter)</i> <b>Basic Imaging</b> <i>//</i> <b>Beamforming</b>
<b>Coffee break (10')</b>
<b>Hand-on sessions</b> <i>(splinter)</i> <b>Basic Imaging</b> <i>//</i> <b>Beamforming</b>

<b>Hand-on sessions</b> <i>(splinter)</i> <b>Advanced Imaging ;</b> <i>// Basic Imaging (2nd)</i> <b>Pulsar</b>
<b>Workshop wrap-up</b> <i>(J. Girard)</i>
<b>Coffee break (10')</b>
<b>2nd Tour of the NenuFAR Core</b>

13:30  
14:00  
14:30  
15:00  
15:30  
16:00  
16:30  
17:00  
17:30  
18:00

# Coffee breaks/Meals/Social Dinner

Complimentary

**Lunch** At 12:30 **be on time !**

If not done already, please share your dietary constraints (super urgent)

**Workshop dinner** Tonight at 7:00 **be on time !**

# Transport

If you need a lift (hotel/train), please tell us/recall us

We will try to organize

# **COVID restrictions**

COVID-19 is currently coming back

Please respect Barrier Gestures at all times

Wear a mask when you are not eating

Use Hydrogel often

Avoid close contact

**In case of doubt please report**

# Internet/Compute nodes connection

## Local attendees

- use blue cables
- shut your WIFI & Bluetooth !



Bienvenue sur le réseau invité de Station de radioastronomie de Nançay

En utilisant le service, j'accepte cette [charte informatique](#).

Veillez choisir un mode d'authentification :

Compte USN



**If you have a guest account (*gusteduN*)**

Compte LDAP Observatoire de Paris



**If you have a Paris Observatory account**

Autre établissement Universitaire

Compte invité



# Hands-On

- If you already have an account on Nancep, **USE IT**
- For other, **login/password/host details for guest accounts have been emailed to you**  
(remote attendants) we are currently solving your connection problems

- Hybrid	Local	Remote
<b>Guest Users</b>	<b>Connect directly to nancepX</b>	<b>SSH first through your institute</b>
<b>Nancep users</b>	<b>Connect directly to nancepX</b>	<b>SSH first through your institute</b>

- We recommend remote attendants to use **X2GO** (faster than SSH+X11)
- **Each *GuesteduN* account is associated to a nancep machine**
- You have a scratch space in `/data/guesteduN` on your allocated machine
- Hands-on material is located in `/databf2/nenufar/workshop`

# Tutorials

- Virtual Control Room (VCR)

We will split in different small groups to program an observation

- `nenupy` Already set up for `gusteduN`  
Installation: <https://nenupy.readthedocs.io/en/latest/>

- Instrument sensitivity

# Tutors

- Tutorial
- Some assistants are in the room
- Some assistants will be online (Use the chat)