



Development of a Small and New OBS for Quick Deployment

The SNOB*

Charles Poitou



The SNOB is a part of the **PREST Interreg-Caraïbes project** supported by the the European Grant for Regional Development





PREST

vers la Plateforme Régionale de Surveillance Tellurique du futur

To the regional platform of the future for telluric monitoring



PREST : 8 work packages

WP1 : Meetings, exchanges, trainings, management (82 k€)

WP2 : Interactions with Cuba - installation of 4 seismometers (56 k€)

WP3 : Interactions with Haïti - Educations + installation sismo (142 k€)

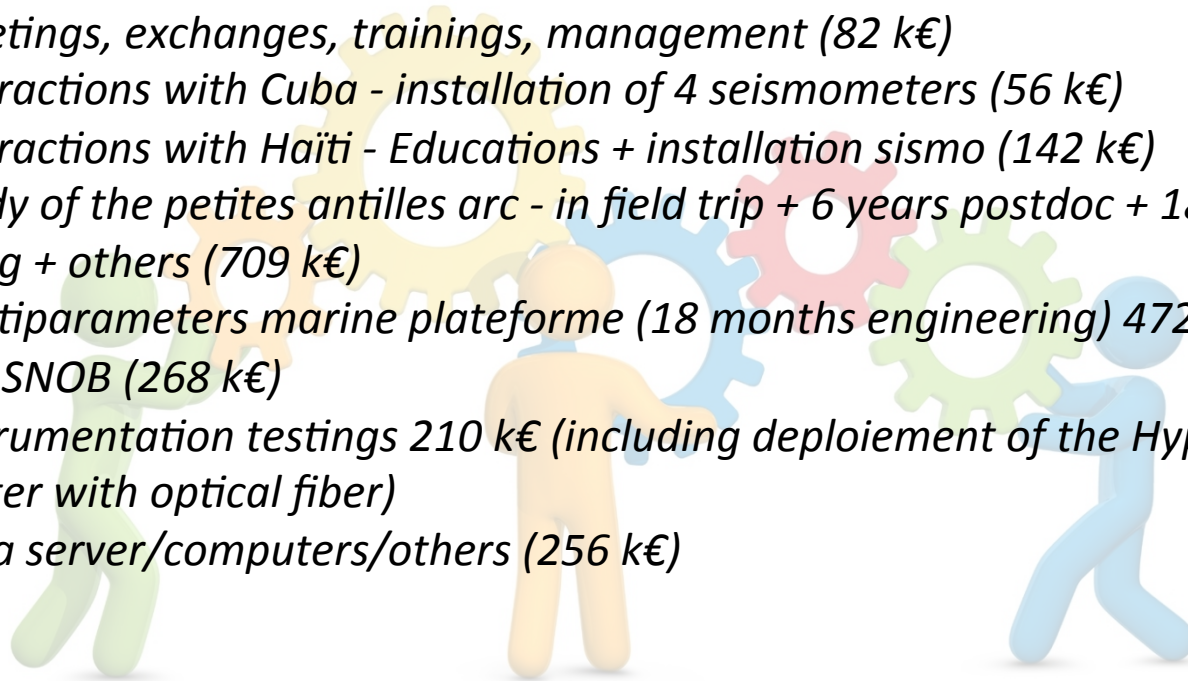
WP4 : Study of the petites antilles arc - in field trip + 6 years postdoc + 18 months engineering + others (709 k€)

WP5 : Multiparameters marine plateforme (18 months engineering) 472 k€

WP6 : The SNOB (268 k€)

WP7 : Instrumentation testings 210 k€ (including deployment of the Hypersis – a seismometer with optical fiber)

WP8 : Data server/computers/others (256 k€)





The need for observatories

A small park (~6 OBS) with a minimum of maintenance and the possibility to deploy it in a minimum of time and with an opportunity ship (inflatable boat or fish boat or helicopter)





The dream

The SNOB should be operated by only one or two technicians.

After reaching the site of deployment. He/she Just push a button to get the position and time synchronisation and throw it in the water...





My dream

All weapons should be thrown
into the sea





The dream

Only 50 kg in air (with deadweight)
7 kg in water (with deadweight)
-3kg in water (without deadweight)



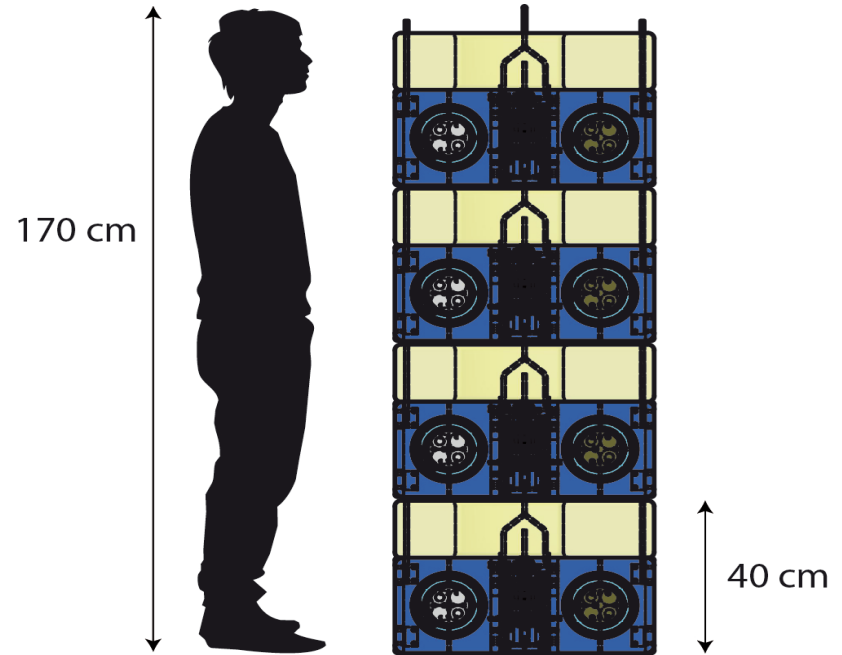
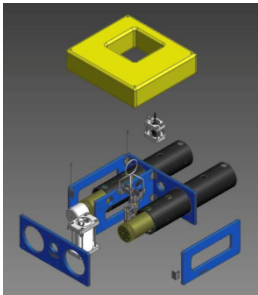
One pushbutton acquisition
6 months of recording max
Open source electronics
(see H. Barrois)



Prest Interreg project

38 mois engineer (meca et electro)

90 000€ of manufacturing equipment

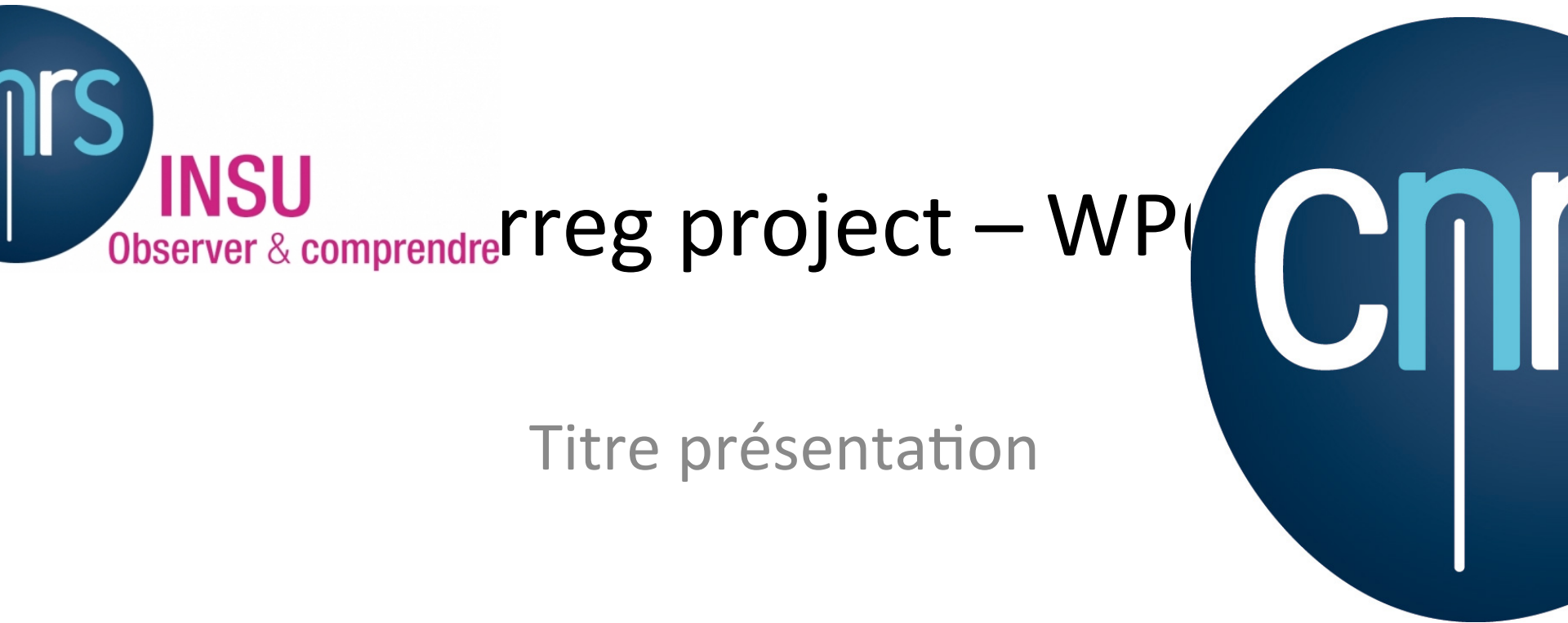




Do good and throw it in the sea; if God doesn't see it, the fishes will.
*Helen Kieran Reilly**



Helen reilly, american novelist, 1891-1962



INSU
Observer & comprendre

Interreg project – WPO

Titre présentation



Prest Interreg project

 Céquoidonk?

 Cadéatáann?

 Wazistdas?

 Watishet?

 Cotojest?

 Quees?

 WTF?