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WEST Newsletter N°16 - December 2016

## WEST GETS ITS FIRST PLASMA

Alain Bécoulet, IRFM Director, Jérôme Bucalossi, WEST project leader, and all the IRFM staff are pleased to inform you that a first plasma illuminated the WEST vacuum vessel on 14 December 2016 at 6.03pm.

... AND NOW MOVING FORWARD WITH THE RESEARCH PLAN

## Final step of the WEST project: in-situ impregnation of the divertor coils

The last crucial milestone of Tore Supra's transformation into WEST has been successfully achieved. One week was necessary for the resin impregnation and the subsequent curing.



The divertor coils are now ready for X-point creation.

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Impregnation operation in WEST Torus Hell (resin mixer on the right)

Light painting during final inspection on WEST divertor before vacuum vessel closure.



## On the way to the first experimental campaign .

Systems and plasma commissioning will continue up to February 2017. The new plasma control system is being validated and will be used to develop different magnetic configurations to prepare the experimental campaigns. During this phase most of diagnostics ensuring the plasma control and the wall monitoring system will be made available. The C1 campaign is expected to start in March 2017 and will focus on exploring heat load patterns and H mode transition in the new WEST environment. The C2 campaign (October-December 2017) will allow further characterizing H mode and testing ITER grade plasma facing components under higher heat loads. Details on https://westusers.partenaires.cea.fr



Institute for Magnetic Fusion Research DRF/IRFM CEA Cadarache 13108 Saint Paul lez Durance Cedex France http://west.cea.fr Contact Newsletter Sylvie Gibert sylvie.gibert@cea.fr