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INCOIS develops model for oil spill trajectory forecast

PTI

Hyderabad, Oct. 19:

To ensure speedy and effective response in the event of an oil spill, city-based Indian National Information Services (INCOIS) intends to put in place an experimental ocean oil spill trajectory forecast by 2012-13.

“We have developed a model for the oil spill trajectory forecast, based on the details and time and time of the spill, quantity, type of the oil spilled and the prime movers like wind forcing which are obtained through the Ocean State Forecast (OSF) laboratory of INCOIS,” the Information Services Director, INCOIS, Mr T.M. Balakrishnan Nair, told PTI.

“Now, this model has been integrated with the existing ocean forecast system and is running in INCOIS.

The output obtained after the execution of the model gives the trajectory of the oil spill,” he said. INCOIS has already tried out this model at around 10 oil spill incidents in the Indian Ocean in the last year, which have been validated, the senior scientist said, adding, “The model is performing well. We will carry out more exercises in the coastal areas.”

For carrying out more experiments and validating the predictions, this model will be experimented with ocean currents for better performance under ‘Experimental Ocean oil spill trajectory prediction system’ implemented during 2012-13 in the 12th five-year plan, he said.

“The experimental system will be ready within one year and the fully operational oil spill trajectory forecast system will be ready by 2017,” Mr Nair said.

It is also planned to conduct simulation of oil spill incidents in the last 10 years in the Indian Ocean.

Keywords: [INCOIS](#), [model](#), [oil spill trajectory](#), [Hyderabad](#), [Balakrishnan Nair](#)

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