

Internet / video publication of experimental verification of non-oscillating bridge cross section

The applicant Allan Larsen is employed as an aerodynamics specialist in COWI's department 1751 Bridges International.

COWIfonden has allocated funds to internet / video dissemination of a research project previously supported by COWIfonden on the design of bridge girder cross section with the purpose of preventing wind-induced oscillations.

The project will be implemented jointly with the National Research Council Canada (NRC), which was also a partner in the original research project. The video footage will be shot at NRC's wind tunnel.

The project is scheduled to be carried out in the autumn / winter of 2015 dependent on when NRC's wind tunnel is available for video footage.

The project will also associate with JoVE (Journal of Visualized Experiments), which is very experienced in publishing scientific video footage over the internet.

The project implementation will ensure a more efficient dissemination of the result of the original research project than achievable through traditional scientific journals.

Furthermore, the project will try to clarify whether internet / video publication is a more efficient way to publish scientific research results in the future than the traditional publication in scientific journals.