

ENCLOSURE A (D.D.A. n. 1012 del 12.10.2009)

SUBJECT GROUP: CIVIL ENGINEERING AND ARCHITECTURE

RESEARCH PROGRAMME NR 15

Evaluation criteria of the titles and of the interview: 2009 December 1th at 9.30 - Dipartimento di Informatica, Sistemistica e Telematica (DIST) – Campus di Savona –Palazzina Marchi - Via Magliotto 2 - Savona

Collective judgement of the submitted documents and notice of candidates who will be interviewed: 2009 December 1th at 12.30 - Dipartimento di Informatica, Sistemistica e Telematica (DIST) – Campus di Savona –Palazzina Marchi - Via Magliotto 2 - Savona

Interview: 2009 December 1th at 14.00 - Dipartimento di Informatica, Sistemistica e Telematica (DIST) – Campus di Savona –Palazzina Marchi - Via Magliotto 2 - Savona

Therefore all candidates, who have not been notified by a note of exclusion, are expected to appear at the exam location without further notice.

NR. 1 grant – Duration years: 1

Title: Plant physiology modelling and data assimilation for wildland fire risk assessment

Description: The objective of the research is the study and the prototypal implementation of a simple plant phenology model developed with reference to a set of species growing in the Mediterranean basin and affected by the occurrence of fires. The considered species are characterized by a physiology dynamics (fuel load and moisture contents) directly related with their phenology stage. the model should be based on an algorithm which take into account the soil moisture dynamics.

Subject Division: ICAR/02 COSTRUZIONI IDRAULICHE E MARITTIME E IDROLOGIA

Department: Dipartimento di Informatica, Sistemistica e Telematica (DIST)

Requested Study Title: Research doctorate in Monitoring of Systems and Environmental Risk Management or in Biology

or

Degree in Environmental Engineering or in .Forestry Sciences or in Natural Sciences or in Agricultural Sciences or in Biology with curriculum proving knowledge of processes related to plant physiology and soil, atmosphere and vegetation interactions; experiences in field sampling techniques, experimental analysis, remote sensing data analysis

Subjects of interview: plant physiology, interactions between soil, atmosphere and vegetation, field sampling techniques and experimental analysis, remote sensing data analysis, knowledge of English language.

RESEARCH PROGRAMME NR 16

NR. 1 grant – Duration years: 1

Evaluation criteria of the titles and of the interview: 2009 November 30th at 9.30 - Dipartimento di Informatica, Sistemistica e Telematica (DIST) – Campus di Savona –Palazzina Marchi - Via Magliotto 2 - Savona

Collective judgement of the submitted documents and notice of candidates who will be interviewed: 2009 November 30th at 12.30 - Dipartimento di Informatica, Sistemistica e Telematica (DIST) – Campus di Savona –Palazzina Marchi - Via Magliotto 2 - Savona

Interview: 2009 November 30th at **14.00** - Dipartimento di Informatica, Sistemistica e Telematica (DIST) – Campus di Savona –Palazzina Marchi - Via Magliotto 2 - Savona

Therefore all candidates, who have not been notified by a note of exclusion, are expected to appear at the exam location without further notice.

Title: Numerical simulation of mesoscale oceanographic processes

Description: The objective of the research is the study and implementation of a regional model taking into account the interactions between physical oceanographic dynamics, chemical variables and biological processes at low trophic level. the research should focus also on downscaling issues, in order to finely resolve coastal dynamics and to provide a tool for coastal zone management.

Subject Division: ICAR/02 COSTRUZIONI IDRAULICHE E MARITTIME E IDROLOGIA

Department: Dipartimento di Informatica, Sistemistica e Telematica (DIST)

Requested Study Title: Ph.D. in Methods and Technologies for Environmental Monitoring

or

Degree in Environmental Engineering with curriculum proving knowledge of oceanographic and biogeochemical numerical models, coupling between physical and biogeochemical models. knowledge of methods for downscaling.

Subjects of interview: physical and biological oceanography, numerical modelling, knowledge of English language.