

Space, Coastal Zones and Territorial Monitoring:

Responding to Climate Emergency



Lisbon, Portugal
IGOT (Instituto de Geografia e Ordenamento do Território)

MARCH 2-3, 2020

Workshop on Space, Coastal Zones and Territorial Monitoring: Responding to Climate Emergency

**Understanding ocean-land interactions associated with
natural hazards and socio-environmental vulnerabilities**

FINAL PROGRAMME

*Co-organized by IGOT, FIOCRUZ, CES, and AIR Centre with the
assistance given by Simone Oliveira and Sérgio Portella*

Venue: IGOT, University of Lisbon
R. Branca Edmée Marques, 1600-276 Lisbon, Portugal

<https://goo.gl/maps/e6PgDSdWh3Fv7Ztv7>

Dates: March 2-3, 2020

March 2 nd	
09:00 - 10:00	Registration / Welcome Coffee
10:00 – 12:00	<p>Opening Session: Setting the Stage</p> <p><u>Welcome Remarks:</u> José Manuel Simões, IGOT</p> <p><u>Moderator:</u> Miguel Belló, AIR Centre</p> <p><u>Speakers:</u></p> <ul style="list-style-type: none"> • <i>Climate Change and Climate Risks: the case of the Lisbon Metropolitan Area</i>, José Luís Zêzere, IGOT • <i>Social Vulnerability, Scale and the Territory: A Template for Action</i>, José Manuel Mendes, CES • <i>Qualidade do Ar e Interação Respiratória no Humano: Criação de um Laboratório de Intervenção em Fenómenos Ocasionais</i>, Jorge Conde, IPC • <i>Portugal Space</i>, Hugo Costa, Portuguese Space Agency
12:00 – 14:00	Lunch
14:00 – 15:30	<p>Territorial Monitoring</p> <p><u>Moderator:</u> Sérgio Portella, FIOCRUZ</p> <p><u>Presenters:</u></p> <ul style="list-style-type: none"> • <i>Landslide Early Warning Systems: conceptual and practical implications</i>, Sérgio Oliveira, IGOT • <i>service4EO</i>, Nuno Catarino, Deimos • <i>Urban Climate</i>, Ana Oliveira, IGOT / CoLAB +Atlantic
15:30 – 16:00	Coffee break
16:00 – 17:30	<p>Coastal Processes</p> <p><u>Moderator:</u> Luis Landau, LAMCE/COPPE/UFRJ</p> <p><u>Presenters:</u></p> <ul style="list-style-type: none"> • <i>Responding to Climate Emergency: ocean-land interactions, natural hazards and socio-environmental vulnerabilities</i>, Ramiro Neves, MARETEC/IST • <i>Assessment of coastal erosion and flooding hazard in the Beaufort Sea coast</i>, Gonçalo Vieira, IGOT • <i>Earth Observation for Climate Resilience</i>, Teresa Ferreira, GMV
17:30 - 18:00	<p>Conclusions</p> <ul style="list-style-type: none"> • José Manuel Mendes, CES • Miguel Belló, AIR Centre

Tuesday, March 3 rd	
09:30 - 10:00	Registration / Welcome Coffee
10:00 – 12:00	<p>Opening Session</p> <p><u>Moderator:</u> José Luis Zêzere, IGOT</p> <p><u>Speakers:</u></p> <ul style="list-style-type: none"> • <i>Agenda 2030: Desdobramentos Recentes, Papel da CTI e Contribuições da Fiocruz</i>, Paulo Gadelha, FIOCRUZ • <i>Contribuições para sensores de custo controlado, robótica submarina acessível e sistemas de informação</i>, Eduardo Pereira, IB-S • <i>Abordagem às Emergências Climáticas: Formação Avançada e Capacitação Científica</i>, Susana Catita / Miguel Viveiros, Ciência LP • <i>Artificial Intelligence and Earth Observation</i>, Miguel Belló, AIR Centre
12:00 – 14:00	Lunch
14:00 – 15:30	<p>Socio-environmental vulnerability</p> <p><u>Moderator:</u> Sérgio Portella, FIOCRUZ</p> <p><u>Presenters:</u></p> <ul style="list-style-type: none"> • <i>Flutuadores derivantes: monitorização em ambientes costeiros</i>, José Paulo Pinto, Instituto Hidrográfico • <i>Environmental Modelling and Artificial Intelligence as tools to support 2030 UN SDGs achievement: Initiatives, R&D Projects and Proposals</i>, Luiz Paulo Assad, LAMCE/COPPE/UFRJ • <i>Socio-environmental vulnerability the role of marine renewable energy</i>, Teresa Simas, Wavec • <i>Vector-borne diseases emergence</i>, Carla Sousa, IHMT
15:30 – 16:00	Coffee break
16:00 – 17:30	<p>Climate Emergency</p> <p><u>Moderator:</u> Susana Catita, Ciência LP</p> <p><u>Presenters:</u></p> <ul style="list-style-type: none"> • <i>Uso de deteção Cor do Oceano na monitorização de zonas costeiras e estuarinas</i>, Vanda Brotas, MARE UL • <i>SOCLIMPACT Project: Energy response to Climate Emergency</i>, Ricardo Encarnação Coelho, cE3c/UL • <i>Impact of Climate Change in Biodiversity in Africa</i>, Helena Freitas, UC • <i>Contabilidade dos Oceanos para Apoio à Decisão, Sustentabilidade e Prosperidade</i>, Eduardo Pereira, IB-S • <i>Spatial-temporal modelling of Aedes aegypti for a development of an early warning system in Madeira Island</i>, Maurício Santos, IGOT
17:30 - 18:00	<p>Conclusions</p> <ul style="list-style-type: none"> • José Luis Zêzere, IGOT • Paulo Gadelha, FIOCRUZ

Contacts of Participants 1/2		
Ana Oliveira	IGOT/CoLAB +Atlantic	ana.oliveira@colabatlantic.com
Carla Sousa	IHMT	casousa@ihmt.unl.pt
Catarina Duarte	AIR Centre	catarina.duarte@aircentre.org
Eduardo Pereira	IB-S	eduardo.pereira@civil.uminho.pt
Gonçalo Vieira	IGOT	vieira@campus.ul.pt
Helena Freitas	UC	hfreitas@ci.uc.pt
Hugo Costa	PT Space	hugo.costa@ptspace.pt
Hugo P. Costa	C3C3 / UL	hpcosta@fc.ul.pt
Jorge Conde	IPC	jconde@ipc.pt
José Luís Zêzere	IGOT	zezere@campus.ul.pt
Jose Luiz Moutinho	AIR Centre	jose.moutinho@aircentre.org
José Manuel Mendes	CES	jomendes@fe.uc.pt
José Manuel Simões	IGOT	jmsimoes@campus.ul.pt
José Paulo Pinto	Instituto Hidrográfico	paulo.pinto@hidrografico.pt
Luiz Landau	LAMCE/COPPE/UFRJ	landau@lamce.coppe.ufrj.br
Luiz Paulo Assad	LAMCE/COPPE/UFRJ	lpaulo@lamce.coppe.ufrj.br
Maurício Santos	IGOT	joosemauriciosantos@campus.ul.pt
Miguel Belló	AIR Centre	miguel.bello@aircentre.org
Miguel Viveiros	IHMT/Ciência LP	mviveiros@ihmt.unl.pt
Nuno Catarino	Deimos	nuno.catarino@deimos.com.pt
Paulo Gadelha	FIOCRUZ	paulo.gadelha@fiocruz.br
Ramiro Neves	MARETEC/IST/UL	amiro.neves@tecnico.ulisboa.pt
Ricardo Encarnação Coelho	cE3c/UL	rtcoelho@fc.ul.pt

Contacts of Participants 2/2

Sérgio Oliveira	IGOT	cruzdeoliveira@campus.ul.pt
Sérgio Portella	FIOCRUZ	sportella@gmail.com
Simone Oliveira	FIOCRUZ	simone@ensp.fiocruz.br
Susana Catita	Ciência LP	susana.catita@ciencialp.pt
Teresa Ferreira	GMV	teresa.ferreira@gmv.com
Teresa Simas	Wavec	teresa@wavec.org
Vanda Brotas	MARE UL	vbrotas@fc.ul.pt