	PROGRAM : MARID ,	April 2-5 2023, RENNES	
Sunday April 2 Evening	(Café des Champs l	ibres, Rennes downtown)	
	Welcome drink and		
6.30pm-8.30pm	Registration		Color code
	1		Keynote (35 mn + 10 mn for questions)
Monday April 3 Morning		Beaulieu, Université Rennes)	Long presentation (15 mn + 5 mn for questions)
8.15am-8.45am 8.45am-9.00am	Coffee and Registration		Short presentation (7mmn + 3 mn for questions)
8.45am-9.00am	Opening Session		
Session I : Field measurem	ients		
9am-9.45am	Vera Van Lancker	Tracking the human influence	on the modern sedimentary system of the North Sea
9.45am-10.05am	Becker Marius		
Dune orientation controlled	by estuarine circulation in th	ne outer Weser estuary, German	Bight, North Sea
10.05am-10.25am	Van Dijk Thaiënne		
		nent storage and microplastics di	istribution over time
10.25am-10.35am	Scheiber Leon		
The influence of geometric of	definitions on dune characte	ristics	
10.35am-11.00am	Coffee Break		
11.00am-11.20am	Robert Alexandre		
		ine sand dunes, from traits-based	d diversity to isotopic diversity
11.20am-11.30am	Krämer Knut		
Bedform transition related to	sediment supply and trans	port capacity in the SW Baltic	
11.30am-11.40am	Casalbore Daniele		
Crescent-shaped bedforms o	n submarine volcanic flanks	: the case of Salina	
11.40am-11.50am	Cassol Willian		
The influence of underwater	dunes in the spatio-tempora	l presentation analysis of the hy	drodynamic of the Saint-Lawrence River
11.50am-12.10am	Poster flash presentation		
10.00 1.00	T		
12.30am-1.30pm	Lunch		
Monday April 3 Afternoon	(PNRB Hall, Campus I	Beaulieu. Université Rennes)	
Monday April 3 Afternoon Session I : Field measurem		Beaulieu, Université Rennes)	
Monday April 3 Afternoon Session I : Field measurem 1.50pm-2.10pm		Beaulieu, Université Rennes)	
Session I : Field measurem 1.50pm-2.10pm	Louge Michel		- how dune skewness causes an anomaly at the brink
Session I : Field measurem 1.50pm-2.10pm	Louge Michel		- how dune skewness causes an anomaly at the brink
Session I : Field measurem 1.50pm-2.10pm Aeolian transport thresholds 2.10pm-2.20pm	tents Louge Michel , shear velocity and roughne Plancke Yves ransport in the Schelde-estu		
Session I : Field measurem 1.50pm-2.10pm Aeolian transport thresholds 2.10pm-2.20pm The residual sand and mud t 2.20pm-2.30pm	ents Louge Michel , shear velocity and roughne Plancke Yves ransport in the Schelde-estu Roche Marc	ess evolution on a barchan dune - arium, based on the calculation o	of the sediment balance
Session I : Field measurem 1.50pm-2.10pm Aeolian transport thresholds 2.10pm-2.20pm The residual sand and mud t 2.20pm-2.30pm Multi-beam echosounder bac	tents Louge Michel , shear velocity and roughne Plancke Yves ransport in the Schelde-estu Roche Marc ckscatter strength signature	ess evolution on a barchan dune -	of the sediment balance
Session I : Field measurem 1.50pm-2.10pm Aeolian transport thresholds 2.10pm-2.20pm The residual sand and mud t 2.20pm-2.30pm Multi-beam echosounder bac 2.30pm-2.40pm	tents Louge Michel , shear velocity and roughne Plancke Yves ransport in the Schelde-estu Roche Marc ckscatter strength signature Damveld Johan	ess evolution on a barchan dune - arium, based on the calculation o of dune files in the belgian part o	of the sediment balance
Session I : Field measurem 1.50pm-2.10pm Aeolian transport thresholds 2.10pm-2.20pm The residual sand and mud t 2.20pm-2.30pm Multi-beam echosounder bac 2.30pm-2.40pm Episodical sand wave migrat	tion: analysis of high tempp	ess evolution on a barchan dune - arium, based on the calculation o	of the sediment balance
Session I : Field measurem 1.50pm-2.10pm Aeolian transport thresholds 2.10pm-2.20pm The residual sand and mud t 2.20pm-2.30pm Multi-beam echosounder bac 2.30pm-2.40pm Episodical sand wave migrat 2.40pm-3.00pm	tion: analysis of high tempp Daguinos Paul	ess evolution on a barchan dune - arium, based on the calculation o of dune files in the belgian part o resentation resolution bathymetr	of the sediment balance of the north sea y
Session I : Field measurem 1.50pm-2.10pm Aeolian transport thresholds 2.10pm-2.20pm The residual sand and mud t 2.20pm-2.30pm Multi-beam echosounder bac 2.30pm-2.40pm Episodical sand wave migrat 2.40pm-3.00pm Morphodynamics of submar	tion: analysis of high tempp Daguinos Paul	ess evolution on a barchan dune - arium, based on the calculation o of dune files in the belgian part o resentation resolution bathymetr	of the sediment balance
Session I : Field measurem 1.50pm-2.10pm Aeolian transport thresholds 2.10pm-2.20pm The residual sand and mud t 2.20pm-2.30pm Multi-beam echosounder bac 2.30pm-2.40pm Episodical sand wave migrat 2.40pm-3.00pm	tion: analysis of high tempp Daguinos Paul	ess evolution on a barchan dune - arium, based on the calculation o of dune files in the belgian part o resentation resolution bathymetr	of the sediment balance of the north sea y
Session I : Field measurem 1.50pm-2.10pm Aeolian transport thresholds 2.10pm-2.20pm The residual sand and mud t 2.20pm-2.30pm Multi-beam echosounder bac 2.30pm-2.40pm Episodical sand wave migrat 2.40pm-3.00pm Morphodynamics of submar Ouessant Poster Session I	tents Louge Michel , shear velocity and roughne Plancke Yves ransport in the Schelde-estu Roche Marc ckscatter strength signature Damveld Johan tion: analysis of high tempp Daguinos Paul ines dunes superimposed on	ess evolution on a barchan dune - arium, based on the calculation o of dune files in the belgian part o resentation resolution bathymetr	of the sediment balance of the north sea y
Session I : Field measurem 1.50pm-2.10pm Aeolian transport thresholds 2.10pm-2.20pm The residual sand and mud t 2.20pm-2.30pm Multi-beam echosounder bac 2.30pm-2.40pm Episodical sand wave migrat 2.40pm-3.00pm Morphodynamics of submar Ouessant	tion: analysis of high tempp Daguinos Paul	ess evolution on a barchan dune - arium, based on the calculation o of dune files in the belgian part o resentation resolution bathymetr	of the sediment balance of the north sea y
Session I : Field measurem 1.50pm-2.10pm Aeolian transport thresholds 2.10pm-2.20pm The residual sand and mud t 2.20pm-2.30pm Multi-beam echosounder bac 2.30pm-2.40pm Episodical sand wave migrat 2.40pm-3.00pm Morphodynamics of submar Ouessant Poster Session I 3 00pm-4.30pm	Louge Michel , shear velocity and roughne Plancke Yves ransport in the Schelde-estu Roche Marc ckscatter strength signature Damveld Johan tion: analysis of high tempp Daguinos Paul ines dunes superimposed on Poster + Coffee Break	ess evolution on a barchan dune - arium, based on the calculation of of dune files in the belgian part of resentation resolution bathymetr a sand banks in a shallow macro-	of the sediment balance of the north sea y
Session I : Field measurem 1.50pm-2.10pm Aeolian transport thresholds 2.10pm-2.20pm The residual sand and mud t 2.20pm-2.30pm Multi-beam echosounder bac 2.30pm-2.40pm Episodical sand wave migrat 2.40pm-3.00pm Morphodynamics of submar Ouessant Poster Session I 3 00pm-4.30pm 4.30pm-4.50pm	Louge Michel , shear velocity and roughne Plancke Yves ransport in the Schelde-estu Roche Marc ckscatter strength signature Damveld Johan tion: analysis of high tempp Daguinos Paul ines dunes superimposed on Poster + Coffee Break Zomer Judith	ess evolution on a barchan dune - arium, based on the calculation of of dune files in the belgian part of resentation resolution bathymetr a sand banks in a shallow macro- (Recorded presentation)	of the sediment balance of the north sea y tidal environment, the example of the Haut Fond de
 Session I : Field measurem 1.50pm-2.10pm Aeolian transport thresholds 2.10pm-2.20pm The residual sand and mud t 2.20pm-2.30pm Multi-beam echosounder bac 2.30pm-2.40pm Episodical sand wave migration 2.40pm-3.00pm Morphodynamics of submar Ouessant Poster Session I 3 00pm-4.30pm Interaction between two scale 	tents Louge Michel , shear velocity and roughne Plancke Yves ransport in the Schelde-estu Roche Marc ckscatter strength signature Damveld Johan tion: analysis of high tempp Daguinos Paul ines dunes superimposed on Poster + Coffee Break Zomer Judith les of fluvial bedforms and i	ess evolution on a barchan dune - arium, based on the calculation of of dune files in the belgian part of resentation resolution bathymetr a sand banks in a shallow macro-	of the sediment balance of the north sea y tidal environment, the example of the Haut Fond de
 Session I : Field measurem 1.50pm-2.10pm Aeolian transport thresholds 2.10pm-2.20pm The residual sand and mud t 2.20pm-2.30pm Multi-beam echosounder bac 2.30pm-2.40pm Episodical sand wave migration 2.40pm-3.00pm Morphodynamics of submar Ouessant Poster Session I 3 00pm-4.30pm Interaction between two scal 4.50pm-5.00pm 	tents Louge Michel , shear velocity and roughne Plancke Yves ransport in the Schelde-estu Roche Marc ckscatter strength signature Damveld Johan tion: analysis of high tempp Daguinos Paul tines dunes superimposed on Poster + Coffee Break Zomer Judith les of fluvial bedforms and i De Lange Sjoukje	ess evolution on a barchan dune - arium, based on the calculation of of dune files in the belgian part of resentation resolution bathymetr a sand banks in a shallow macro- (Recorded presentation) ts impact on sediment transport	of the sediment balance of the north sea y tidal environment, the example of the Haut Fond de
 Session I : Field measurem 1.50pm-2.10pm Aeolian transport thresholds 2.10pm-2.20pm The residual sand and mud t 2.20pm-2.30pm Multi-beam echosounder bac 2.30pm-2.40pm Episodical sand wave migration 2.40pm-3.00pm Morphodynamics of submar Ouessant Poster Session I 3 00pm-4.30pm Interaction between two scale 	tents Louge Michel , shear velocity and roughne Plancke Yves ransport in the Schelde-estu Roche Marc ckscatter strength signature Damveld Johan tion: analysis of high tempp Daguinos Paul tines dunes superimposed on Poster + Coffee Break Zomer Judith les of fluvial bedforms and i De Lange Sjoukje	ess evolution on a barchan dune - arium, based on the calculation of of dune files in the belgian part of resentation resolution bathymetr a sand banks in a shallow macro- (Recorded presentation) ts impact on sediment transport	of the sediment balance of the north sea y tidal environment, the example of the Haut Fond de
 Session I : Field measurem 1.50pm-2.10pm Aeolian transport thresholds 2.10pm-2.20pm The residual sand and mud t 2.20pm-2.30pm Multi-beam echosounder bac 2.30pm-2.40pm Episodical sand wave migrat 2.40pm-3.00pm Morphodynamics of submar Ouessant Poster Session I 3 00pm-4.30pm Interaction between two scal 4.50pm-5.00pm Spatial variability in dune m 	Louge Michel , shear velocity and roughne Plancke Yves ransport in the Schelde-estu Roche Marc ckscatter strength signature of Damveld Johan tion: analysis of high tempp Daguinos Paul ines dunes superimposed on Poster + Coffee Break Zomer Judith les of fluvial bedforms and i De Lange Sjoukje torphology is driven by loca Winter Christian	ess evolution on a barchan dune - arium, based on the calculation of of dune files in the belgian part of resentation resolution bathymetr a sand banks in a shallow macro- (Recorded presentation) ts impact on sediment transport of I flow patterns	of the sediment balance of the north sea y tidal environment, the example of the Haut Fond de
 Session I : Field measurem 1.50pm-2.10pm Aeolian transport thresholds 2.10pm-2.20pm The residual sand and mud t 2.20pm-2.30pm Multi-beam echosounder bac 2.30pm-2.40pm Episodical sand wave migration 2.40pm-3.00pm Morphodynamics of submar Ouessant Poster Session I 3 00pm-4.30pm Interaction between two scal 4.50pm-5.00pm Spatial variability in dune m 5.00pm-5.10pm Sedimentology of a relict be 	tents Louge Michel , shear velocity and roughne Plancke Yves ransport in the Schelde-estu Roche Marc ckscatter strength signature Damveld Johan tion: analysis of high tempp Daguinos Paul tines dunes superimposed on Poster + Coffee Break Zomer Judith les of fluvial bedforms and i De Lange Sjoukje torphology is driven by loca Winter Christian dform field in the Fehmarn	ess evolution on a barchan dune - arium, based on the calculation of of dune files in the belgian part of resentation resolution bathymetr a sand banks in a shallow macro- (Recorded presentation) ts impact on sediment transport of I flow patterns	of the sediment balance of the north sea y tidal environment, the example of the Haut Fond de
 Session I : Field measurem 1.50pm-2.10pm Aeolian transport thresholds 2.10pm-2.20pm The residual sand and mud t 2.20pm-2.30pm Multi-beam echosounder bac 2.30pm-2.40pm Episodical sand wave migrat 2.40pm-3.00pm Morphodynamics of submar Ouessant Poster Session I 3 00pm-4.30pm A.30pm-4.50pm Interaction between two scal 4.50pm-5.00pm Spatial variability in dune m 5.00pm-5.10pm Sedimentology of a relict be 	Louge Michel , shear velocity and roughne Plancke Yves ransport in the Schelde-estu Roche Marc ckscatter strength signature Damveld Johan tion: analysis of high tempp Daguinos Paul ines dunes superimposed on Poster + Coffee Break Zomer Judith les of fluvial bedforms and i De Lange Sjoukje orphology is driven by loca Winter Christian dform field in the Fehmarn	ess evolution on a barchan dune - arium, based on the calculation of of dune files in the belgian part of resentation resolution bathymetr a sand banks in a shallow macro- (Recorded presentation) ts impact on sediment transport of I flow patterns	of the sediment balance of the north sea y tidal environment, the example of the Haut Fond de
Session I : Field measurem 1.50pm-2.10pm Aeolian transport thresholds 2.10pm-2.20pm The residual sand and mud t 2.20pm-2.30pm Multi-beam echosounder bac 2.30pm-2.40pm Episodical sand wave migrat 2.40pm-3.00pm Morphodynamics of submar Ouessant Poster Session I 3 00pm-4.30pm Interaction between two scal 4.50pm-5.00pm Spatial variability in dune m 5.00pm-5.10pm Sedimentology of a relict be Session II : Renewable Ma 5.10pm-5.30pm	Louge Michel , shear velocity and roughne Plancke Yves ransport in the Schelde-estu Roche Marc ckscatter strength signature of Damveld Johan tion: analysis of high tempp Daguinos Paul ines dunes superimposed on Poster + Coffee Break Zomer Judith les of fluvial bedforms and i De Lange Sjoukje torphology is driven by loca Winter Christian dform field in the Fehmarn rine Energy Unsworth Chris	ess evolution on a barchan dune - arium, based on the calculation of of dune files in the belgian part of resentation resolution bathymetr a sand banks in a shallow macro- (Recorded presentation) ts impact on sediment transport of I flow patterns Belt, Baltic Sea	of the sediment balance of the north sea y tidal environment, the example of the Haut Fond de dynamics
 Session I : Field measurem 1.50pm-2.10pm Aeolian transport thresholds 2.10pm-2.20pm The residual sand and mud t 2.20pm-2.30pm Multi-beam echosounder bac 2.30pm-2.40pm Episodical sand wave migration 2.40pm-3.00pm Morphodynamics of submar Ouessant Poster Session I 3 00pm-4.30pm Interaction between two scal 4.50pm-5.00pm Spatial variability in dune m 5.00pm-5.10pm Sedimentology of a relict be Session II : Renewable Ma 5.10pm-5.30pm Offshore renewable infrastrue 	Louge Michel , shear velocity and roughne Plancke Yves ransport in the Schelde-estu Roche Marc ckscatter strength signature Damveld Johan tion: analysis of high tempp Daguinos Paul ines dunes superimposed on Poster + Coffee Break Zomer Judith les of fluvial bedforms and i De Lange Sjoukje iorphology is driven by loca Winter Christian dform field in the Fehmarn rine Energy Unsworth Chris icture in a field of dunes – c	ess evolution on a barchan dune - arium, based on the calculation of of dune files in the belgian part of resentation resolution bathymetr a sand banks in a shallow macro- (Recorded presentation) ts impact on sediment transport of I flow patterns	of the sediment balance of the north sea y tidal environment, the example of the Haut Fond de dynamics
 Session I : Field measurem 1.50pm-2.10pm Aeolian transport thresholds 2.10pm-2.20pm The residual sand and mud t 2.20pm-2.30pm Multi-beam echosounder bac 2.30pm-2.40pm Episodical sand wave migrat 2.40pm-3.00pm Morphodynamics of submar Ouessant Poster Session I 3 00pm-4.30pm Interaction between two scal 4.50pm-5.00pm Spatial variability in dune m 5.00pm-5.10pm Sedimentology of a relict be Session II : Renewable Ma 5.10pm-5.30pm Offshore renewable infrastru 5.30pm-5.40pm 	Louge Michel , shear velocity and roughne Plancke Yves ransport in the Schelde-estu Roche Marc ckscatter strength signature Damveld Johan tion: analysis of high tempp Daguinos Paul ines dunes superimposed on Poster + Coffee Break Zomer Judith les of fluvial bedforms and i De Lange Sjoukje torphology is driven by loca Winter Christian dform field in the Fehmarn rine Energy Unsworth Chris acture in a field of dunes – c Van Landeghem Katrien	ess evolution on a barchan dune - arium, based on the calculation of of dune files in the belgian part of resentation resolution bathymetr a sand banks in a shallow macro- (Recorded presentation) ts impact on sediment transport of I flow patterns Belt, Baltic Sea	of the sediment balance of the north sea y tidal environment, the example of the Haut Fond de dynamics
 Session I : Field measurem 1.50pm-2.10pm Aeolian transport thresholds 2.10pm-2.20pm The residual sand and mud t 2.20pm-2.30pm Multi-beam echosounder bac 2.30pm-2.40pm Episodical sand wave migrat 2.40pm-3.00pm Morphodynamics of submar Ouessant Poster Session I 3 00pm-4.30pm Interaction between two scal 4.50pm-5.00pm Spatial variability in dune m 5.00pm-5.10pm Sedimentology of a relict be Session II : Renewable Ma 5.10pm-5.30pm Offshore renewable infrastru 5.30pm-5.40pm 	Louge Michel , shear velocity and roughne Plancke Yves ransport in the Schelde-estu Roche Marc ckscatter strength signature Damveld Johan tion: analysis of high tempp Daguinos Paul ines dunes superimposed on Poster + Coffee Break Zomer Judith les of fluvial bedforms and i De Lange Sjoukje torphology is driven by loca Winter Christian dform field in the Fehmarn rine Energy Unsworth Chris acture in a field of dunes – c Van Landeghem Katrien	ess evolution on a barchan dune - arium, based on the calculation of of dune files in the belgian part of resentation resolution bathymetr a sand banks in a shallow macro- (Recorded presentation) ts impact on sediment transport of I flow patterns Belt, Baltic Sea	of the sediment balance of the north sea y tidal environment, the example of the Haut Fond de dynamics

Tuesday April 4 Morning	(PNRB Hall, Campus E	Beaulieu, Université Rennes)		
Session III : Theoretical M	odelling			
8.30am-9.15am	Bruno Andreotti	A unified model of bedforms across the turbulent roughening transition		
9.15am-9 .35am	Narteau Clement			
Coexistence of two dune gro	wth mechanisms			
9.35am-9.55am	Claudin Philippe			
Hydrodynamical regimes in	turbulent flows over a wavy	surface and dissolution instability		
9.55am-10.05am	Kearney William			
The Naval Seafloor Evolutio	on Architecture: a platform for	or predicting dynamic seafloor roughness		
10.05am-10.30am	Coffee Break			
10.30am-10.50am	Lefebvre Alice			
What is a dune? Towards a h		nclature of bedforms		
10.50am-11.10am	Reesink Arnold Jan H			
What is the representative el	ementary volume of preserv	ed dune deposits?		
	1.11.			
Session IV : Numerical mo 11.10am-11.30am	Overes Pauline			
Exploring the main drivers o				
11.30am-11.40am	Van Der Sande Wessel			
Nonlinear modeling of estua				
11.40am-11.50am	Chauchat Julien			
A numerical study on ripple		ng a two phase flow model		
11.50am-12.00am	Nnafie Abdel			
Modelling effects of shorefact	ce-connected sand ridges on	the shoreline evolution : Application to the Belgium coast		
	_			
12.30am-1.30pm	Lunch			
Tuesday April 4 Afternoon		Beaulieu, Université Rennes)		
Session IV : Numerical mo				
1.50pm-2.10pm	Gilletta Alban			
Hydrodynamic simulations c 2.10pm-2 .20pm	Mathieu Antoine	urbulence-resolving models		
Simulation of bedform forma		nhase flow model		
2.20pm-2.30pm	Lokin Lieke			
The influence of sediment tra		ng river dune development		
2.30pm-2.40pm	Durand Noemie			
Modelling the evolution of marine dunes in a shallow shelf sea				
2.40pm-3.00pm Pieter Roos				
On Elevation and Migration:	: a Model for Sandbank Dyn	amics in Sediment-scarce Seas		
	_			
Poster Session II				
3.00pm-4.00pm	Poster + Coffee Break			
Session V : Laboratory exp				
4.00pm-4.45pm 4.45pm-5.05pm	Nathalie Vriend Vah Mélanie	Bedform dynamics: interaction, attraction and repulsion of dunes		
Bedload quantification by pa		r area of an isolated duna		
5.05pm-5.25pm	Wu Xuxu			
		namics on cohesive sand—clay beds		
5.25pm-5.35pm	Frank-Gilchrist Donya			
Vortex Trapping of Sand Gra		illatory Flow		
5.35pm-6.00pm	Closing Session			
8 00pm 10 00pm	Cala dinnar	(Postaurant // La Closoria » Ponnes Downtown)		
8.00pm-10.00pm	Gala dinner	(Restaurant « La Closerie », Rennes Downtown)		
Wednesday April 5	1			
	Field excursion	(Departure from PNRB Hall, Campus Beaulieu)		
o.ooam-o.oohm		(Departure from 1 1100 11an, Cumpus Dedunica)		

Poster list			
1. Abroug Iskander			
Influence of short-period irregular waves on the morphology and dynamics of subaqueous dunes generated under unidirectional flows			
2. Bennis Anne-Claire			
MORPHODUNES : a new project dedicated to the morphodynamics of sand dunes to build a new numerical tool			
3. Bobiles Kevin			
Characterisation of flow dynamics over estuarine			
4. Daguinos Paul			
Morphological and architectural variability of marine sand banks on a macro tidal dispersive shelf			
5. Daynac Jimmy			
Deep Learning : A new tool for mapping and analysis fields of dunes (ex : Rub'Al Khali sand sea)			
6. De Lange Sjoukje			
Influence of silt in sand-silt mixtures on dynamic near-equilibrium bedform geometry			
7. Le Bot Sophie			
Marine dune morphodynamics and associated sedimentary fluxes : Spatio-temporal variability and relations with hydrodynamic forcings			
8. Lefebvre Alice			
The influence of dune lee side shape on flow above bedforms			
9. Michelet Nicolas			
Estimation of marine dunes migration through sediment flux calculation and three-dimensional numerical modelling			
10. Narteau Clement			
Direct validation of dune instability theory			
11. Nexer Maëlle			
How to study marine dunes in an offshore windfarm context			
12. Portos-Amill Laura			
MELODY: Understanding the scale interactions between tidal sand waves and the lower shoreface			
13. Romagnoli Claudia			
Bedforms and morpho-bathymetric evolution of tributary channes in the Po river			
14. Scheiber Leon			
Dune scaling in the Tien River, Vietnamese Mekong Delta			
15. Valance Alexandre			
Morphodynamics of two-dimensional isolated subaqueous dunes			