

Project FORESEA

Funding Ocean Renewable Energy through Strategic European Action

Specific objective	SO3: To facilitate the uptake of low carbon technologies, products, processes and services in sectors with high energy saving potential, to reduce GHG emissions in NWE
Priority	Priority Axis 2 Low carbon
Project status	CONTRACTED
Start date	25 Feb 2016
End date	13 Dec 2019
MC approval date	3 Mar 2016
Project TEC	€10,441,056.08
Project ERDF	€6,264,633.65

Project summary

This project will help North West Europe (NWE) SME's test ocean energy (OE) technology in real sea environments and prove power can be economically generated from the ocean.

Located in the peripheral regions of Northern Scotland, Western Ireland, Western France and Western Holland, the partners in this project represent the areas of highest ocean energy resource in Europe. The development of a world leading OE industry in these regions represents a fantastic opportunity to stimulate economic development in these more peripheral, economically disadvantaged areas that are not able to rely on the variety of industry found in the traditional 'motor regions' of NWE. Combating climate change and securing energy supply are also major issues for Europe and OE represents a substantial and as yet largely untapped asset which will help reduce GHG emissions by bringing highly productive renewable technologies closer to market.

The cost of pre-commercial testing and demonstration for OE is high and investors are reluctant to invest until the technology has been proven in the sea at scale. The NWE area possesses world leading OE testing infrastructure and this project will connect sites in the Netherlands (tidal), UK (tidal and wave), France (wave and floating wind) and Ireland (floating wind and wave) to create a network which will place NWE at the heart of this emerging industry.

To date most EU R&D for OE has focused on technology, not testing. The FORESEA coordinated test sites will encourage longer term testing and technology de-risking. FORESEA will result in a minimum of 26 OE technology pre-commercial demonstrations, over 60,000hrs of operation, work with over 60 SME's, sustaining 60+ jobs and helping to secure €30M investment into OE companies. FORESEA will also enhance the expertise and infrastructure in NWE and put in place a NWE OE Roadmap so ensure the long term impact of this project.

List of deliverables

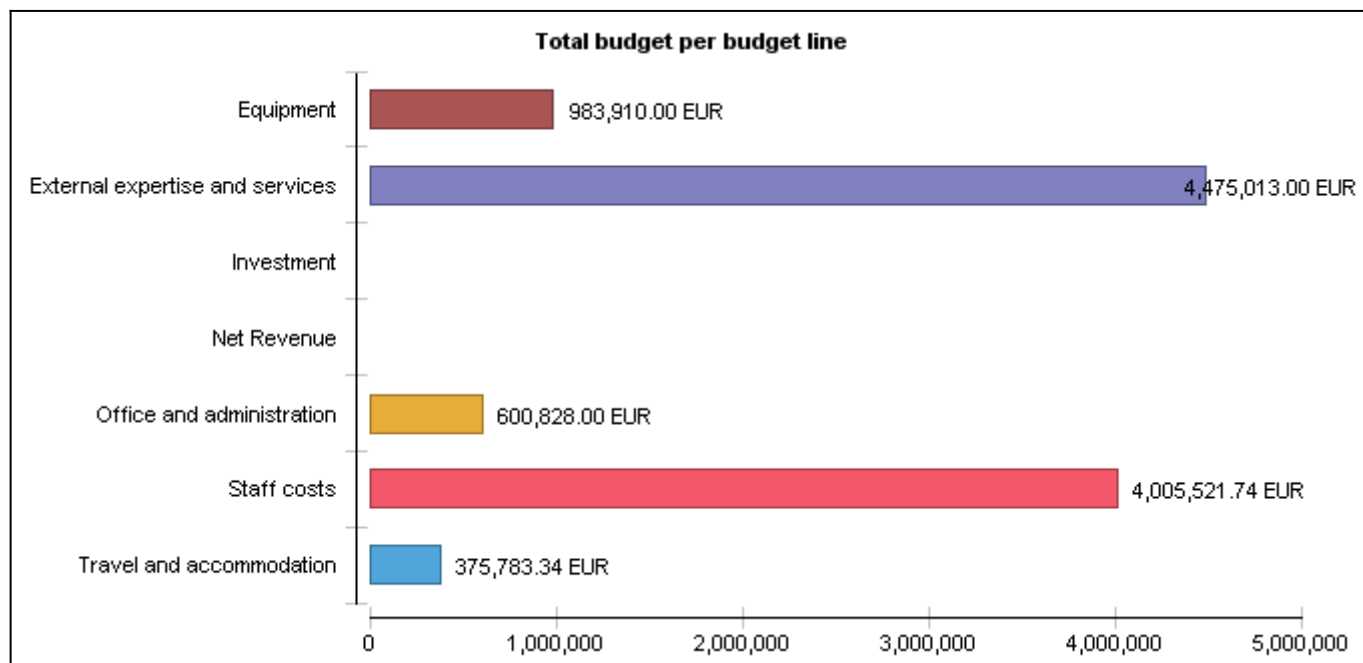
WP / Activity	Deliverable title	Target value	Delivery date
WP C - Communication			
Activity 1 - Start-up activities including communication strategy			
	Communication Strategy & Action Plan	1	4 Jul 2016
	Communication Strategy & Action Plan mid-term Review and Report	1	4 Feb 2018
Activity 2 - Promotional material			
	Visual Identity	1	13 Sep 2016

WP / Activity	Deliverable title	Target value	Delivery date
WP C - Communication			
Activity 3 - Publication(s)			
	Public Relations	0	13 Nov 2019
	Press Releases	6	13 Nov 2019
	Final Conference	1	13 Sep 2019
	End of project "Success Story" Publication	1	13 Sep 2019
Activity 4 - Digital activities			
	Online presence	1	13 Jul 2016
WP M - Project management			
Activity 1 - Project Coordination			
	Project Handbook	1	26 Jun 2016
	Biannual Annual Report 1	1	26 Oct 2016
	Biannual Annual Report 2	1	26 Apr 2017
	Biannual Annual Report 3	1	26 Oct 2017
	Biannual Annual Report 4	1	26 Apr 2018
	Biannual Annual Report 5	1	26 Oct 2018
	Biannual Annual Report 6	1	26 Apr 2019
	Biannual Annual Report 7	1	26 Oct 2019
	Final Report	1	26 Nov 2019
Activity 3 - Risk Management			
	Risk Register	1	13 Jun 2016
WP T2 - Long Term			
Activity 1 - Market Support			
	North West European Ocean Energy Road Map	1	26 Apr 2018
Activity 2 - Initiating Pre-Commercial Projects			
	Ocean Energy Incubator	1	13 Nov 2019
Activity 3 - Infrastructure Optimisation			
	Infrastructure Plan	1	13 Dec 2017
	Skills Plan	1	13 Dec 2017
	Investment Plan	1	13 Nov 2019
WP T3 - Technology Development			
Activity 1 - User Selection Board			
	Support Package Administration	1	25 Aug 2018
Activity 2 - Call 1			
	Support Package Report 1	1	13 Jul 2017
	Support Package Preperation	1	13 Jul 2016
Activity 3 - Call 2			
	Support Package Report 2	1	13 Jul 2018
	Support Package Preperation	0	13 Jul 2017

WP / Activity	Deliverable title	Target value	Delivery date
WP T3 - Technology Development			
Activity 4 - Call 3			
	Support Package Report 3	1	13 Jul 2019
	Support Package Preparation	0	13 Jul 2018
WP T4 - Outreach			
Activity 1 - Ocean Energy Market Push			
	Business Outreach Report	1	13 Apr 2018
Activity 2 - Ocean Energy Market Pull			
	Market Engagement Report	1	13 Oct 2019
Activity 3 - Targeting support			
	Targeted support plan	1	13 Apr 2017
	Targeted support review	1	13 Sep 2018

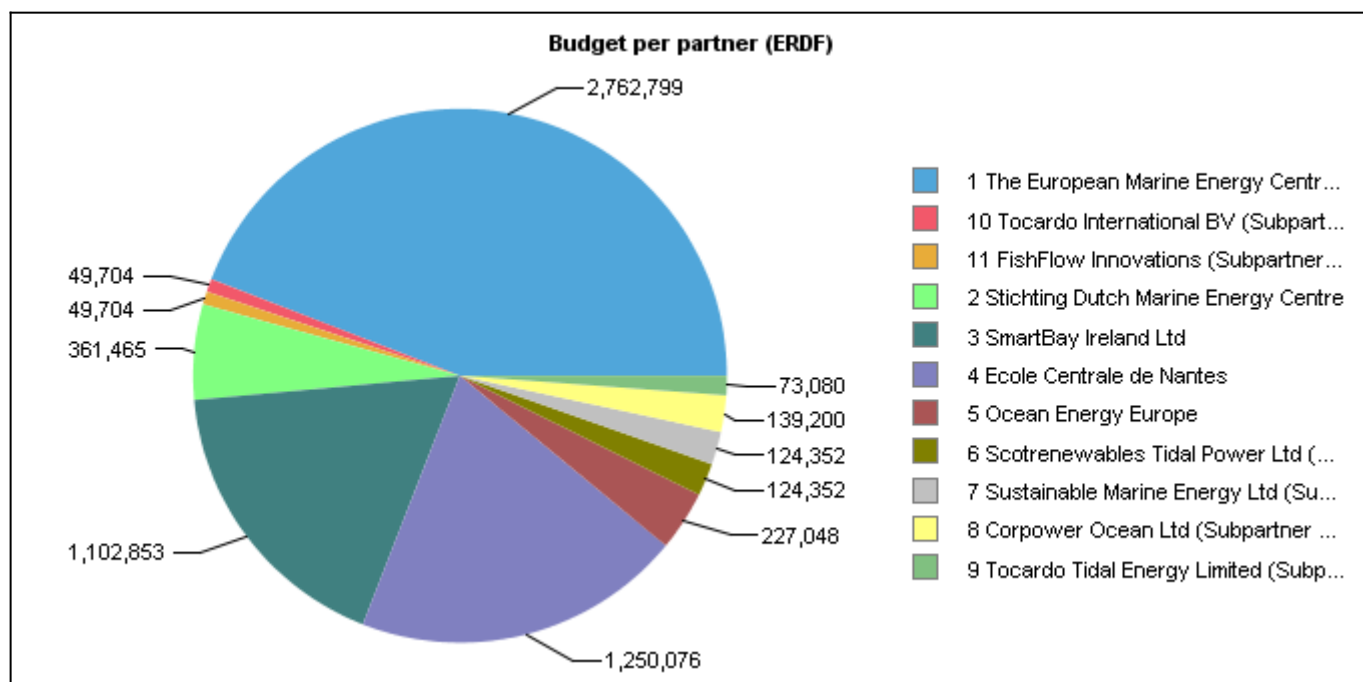
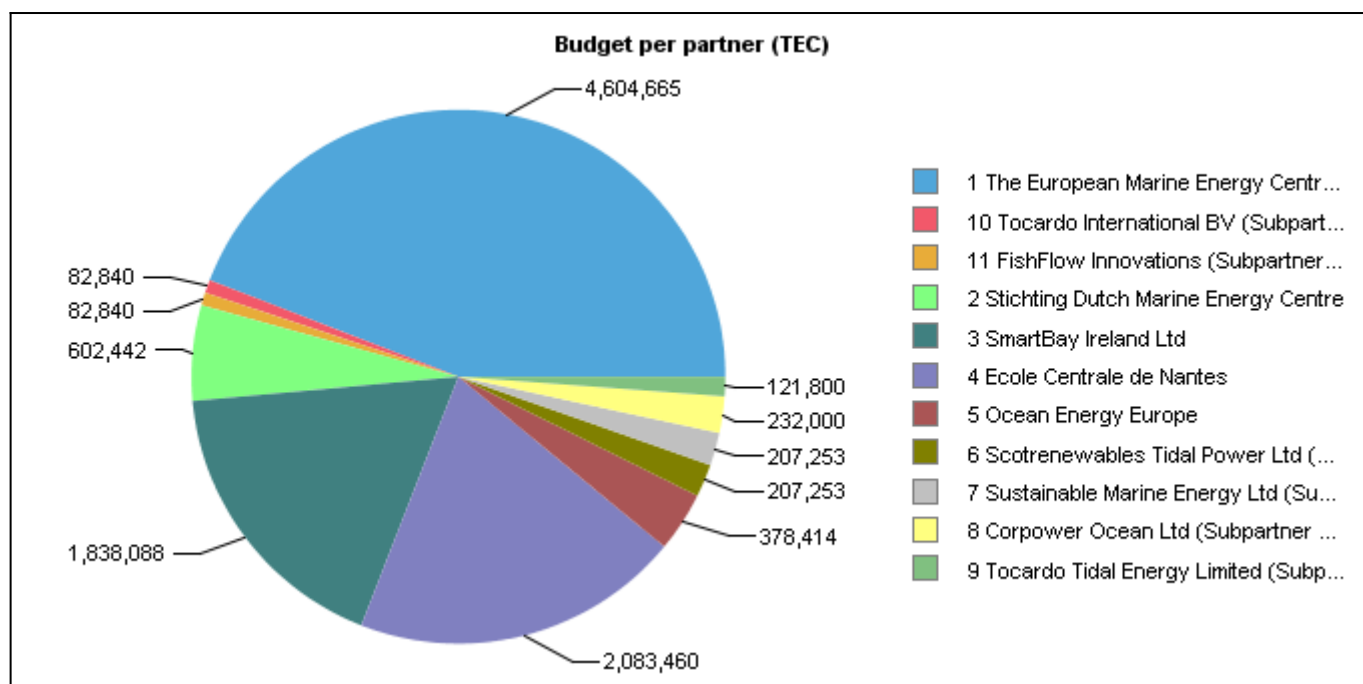
Project budget per budget line

Budget line	Total
Equipment	€983,910.00
External expertise and services	€4,475,013.00
Investment	€0.00
Net Revenue	€0.00
Office and administration	€600,828.00
Staff costs	€4,005,521.74
Travel and accommodation	€375,783.34



List of partners

Partner	Role	Legal status	Type	City	NUTS	Country	Fund	Grant rate	Partner TEC	Partner ERDF
1 The European Marine Energy Centre Limited	LP	private	other	Orkney	UKM65	UK	ERDF	60	€4,604,665	€2,762,799
2 Stichting Dutch Marine Energy Centre	PP	private	SME	Alkmaar	NL322	NL	ERDF	60	€602,442	€361,465
3 SmartBay Ireland Ltd	PP	private	other	Oranmore	IE023	IE	ERDF	60	€1,838,088	€1,102,853
4 Ecole Centrale de Nantes	PP	public	higher education and research	NANTES Cedex 3	FR511	FR	ERDF	60	€2,083,460	€1,250,076
5 Ocean Energy Europe	PP	private	business support organisation	Brussels	BE100	BE	ERDF	60	€378,414	€227,048
6 Scotrenewables Tidal Power Ltd (Subpartner of PP1 - GBER Art. 25)	PP	private	SME	Kirkwall	UKM65	UK	ERDF	60	€207,253	€124,352
7 Sustainable Marine Energy Ltd (Subpartner of PP1 - GBER Art. 25)	PP	private	SME	Southampton	UKJ32	UK	ERDF	60	€207,253	€124,352
8 Corpower Ocean Ltd (Subpartner of PP1 - GBER Art. 25)	PP	private	SME	Stromness	UKM65	UK	ERDF	60	€232,000	€139,200
9 Tocardo Tidal Energy Limited (Subpartner of PP1 - GBER Art. 25)	PP	private	SME	Inverness	UKM62	UK	ERDF	60	€121,800	€73,080
10 Tocardo International BV (Subpartner of PP2 - GBER Art. 25)	PP	private	SME	Den Oever	NL321	NL	ERDF	60	€82,841	€49,704
11 FishFlow Innovations (Subpartner of PP2 - GBER Art. 25)	PP	private	SME	Medemblik	NL321	NL	ERDF	60	€82,841	€49,704



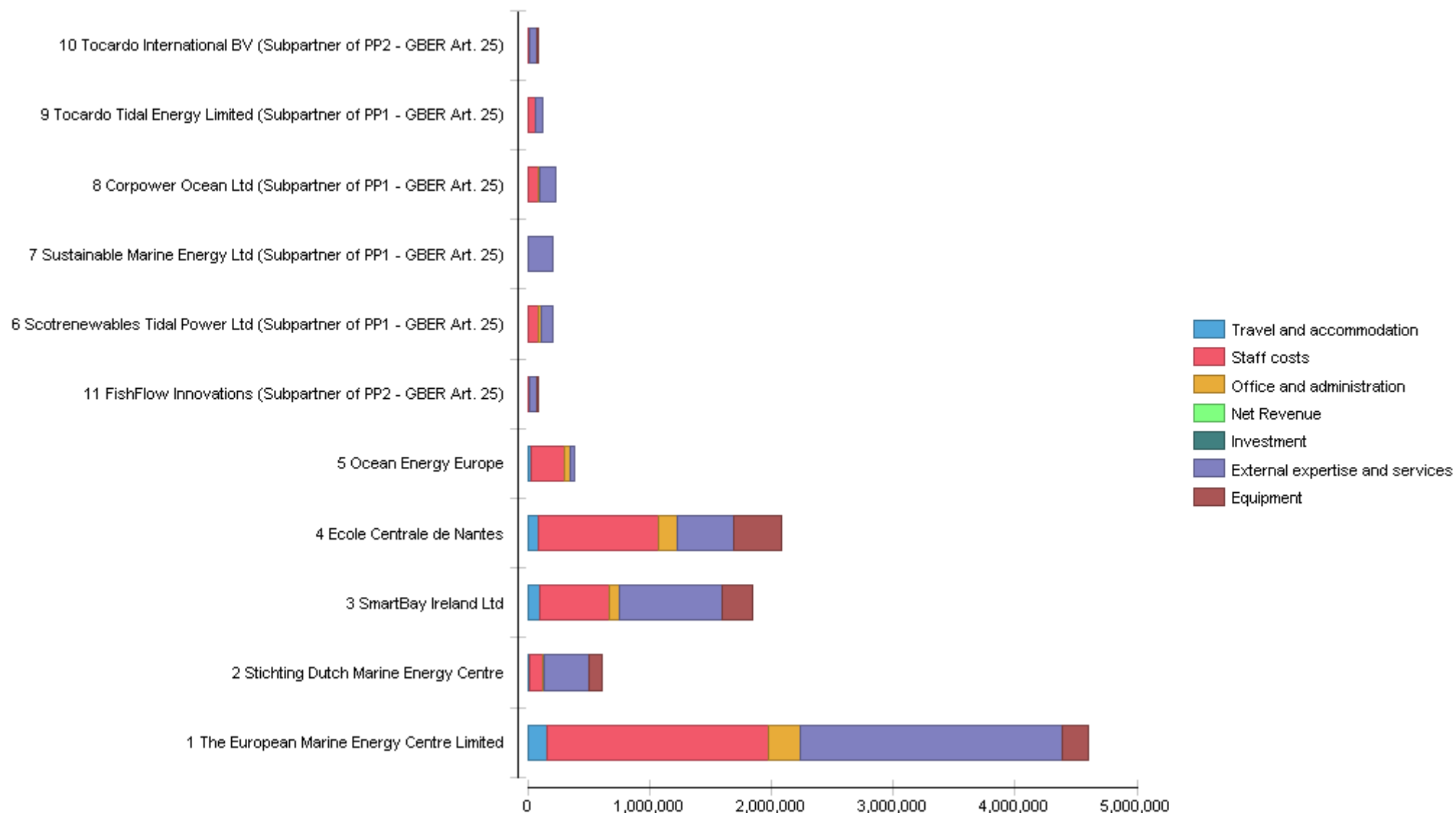
Partner budget per budget line

Partner	Budget line	Total per BL
Partner 1 The European Marine Energy Centre Limited		
	Equipment	€220,000
	External expertise and services	€2,143,785
	Investment	€0
	Net Revenue	€0
	Office and administration	€271,941
	Staff costs	€1,812,939
	Travel and accommodation	€156,000

Partner	Budget line	Total per BL
Partner 2 Stichting Dutch Marine Energy Centre		
	Equipment	€103,000
	External expertise and services	€367,890
	Investment	€0
	Office and administration	€14,694
	Staff costs	€97,958
	Travel and accommodation	€18,900
Partner 3 SmartBay Ireland Ltd		
	Equipment	€242,500
	External expertise and services	€842,561
	Investment	€0
	Net Revenue	€0
	Office and administration	€85,551
	Staff costs	€570,343
	Travel and accommodation	€97,133
Partner 4 Ecole Centrale de Nantes		
	Equipment	€395,410
	External expertise and services	€464,485
	Investment	€0
	Net Revenue	€0
	Office and administration	€148,900
	Staff costs	€992,665
	Travel and accommodation	€82,000
Partner 5 Ocean Energy Europe		
	Equipment	€0
	External expertise and services	€36,512
	Investment	€0
	Net Revenue	€0
	Office and administration	€41,759
	Staff costs	€278,393
	Travel and accommodation	€21,750
Partner 6 Scotrenewables Tidal Power Ltd (Subpartner of PP1 - GBER Art. 25)		
	External expertise and services	€103,627
	Office and administration	€13,517
	Staff costs	€90,110
Partner 7 Sustainable Marine Energy Ltd (Subpartner of PP1 - GBER Art. 25)		
	External expertise and services	€207,253
	Office and administration	€0
	Staff costs	€0
Partner 8 Corpower Ocean Ltd (Subpartner of PP1 - GBER Art. 25)		
	External expertise and services	€139,200
	Office and administration	€12,104

Partner	Budget line	Total per BL
Partner 8 Corpower Ocean Ltd (Subpartner of PP1 - GBER Art. 25)		
	Staff costs	€80,696
Partner 9 Tocardo Tidal Energy Limited (Subpartner of PP1 - GBER Art. 25)		
	External expertise and services	€58,000
	Office and administration	€8,322
	Staff costs	€55,478
Partner 10 Tocardo International BV (Subpartner of PP2 - GBER Art. 25)		
	Equipment	€11,500
	External expertise and services	€55,850
	Office and administration	€2,021
	Staff costs	€13,470
Partner 11 FishFlow Innovations (Subpartner of PP2 - GBER Art. 25)		
	Equipment	€11,500
	External expertise and services	€55,850
	Office and administration	€2,021
	Staff costs	€13,470
	Travel and accommodation	€0

Partner budget overview per budget line



List of associated partners

Name	Legal status	Type	Country	NUTS
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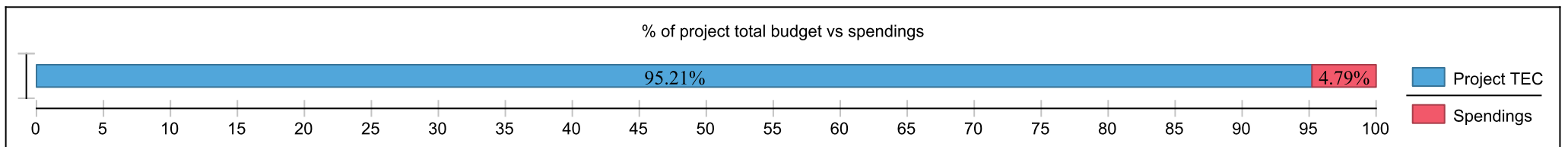
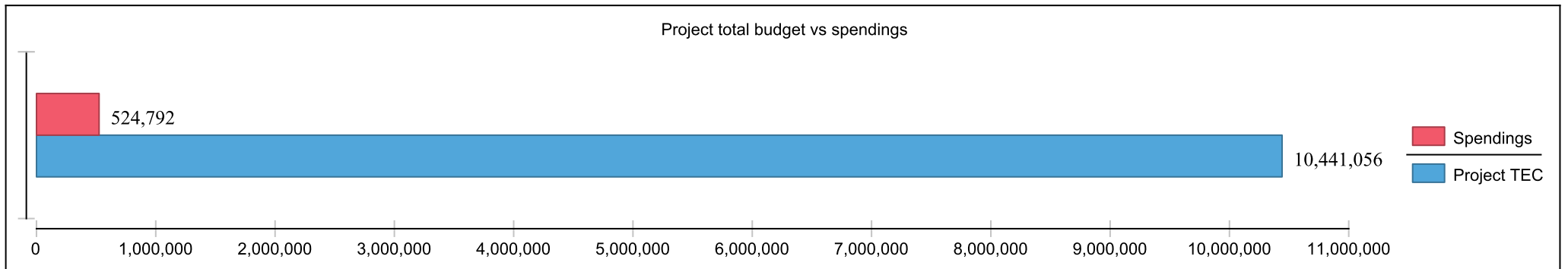
List of sub-partners

Partner name	Legal status	Type	Role	NUTS	Country	Budget
Partner 3 SmartBay Ireland Ltd	private	other	PP	IE023	IE	
Marine Institute	<p>The Marine Institute (MI) is the State agency responsible for marine research, technology development and innovation in Ireland, providing scientific and technical advice to Government to help inform policy and to support the sustainable development of Ireland's marine resources, including renewable energies. For these purposes it has developed the operational capacity for marine operations in a diverse range of scenarios. As a sub-partner the MI will complement SmartBay Ireland mostly in activities related with the provision of support packages in WP "Technology Development"; the resources that the MI will make available in this project include one operations manager, two marine technicians, one team lead and one senior engineer, working with different levels of involvement. Most of the effort will only materialize if and when a device developer deploys in the Galway Bay Test Site; in this case the MI effort and support will mean 53% of the total for WP "Technology Development" and they will be involved in Activities 2, 3 and 4 (provision of the support to developers). In addition to this, some of the know-how of the MI team will be used in WP "Long Term" (51% of the combined SmartBay / MI total budget for the WP), WP "Communication" (39% of the total combined budget for the WP) and "Outreach" (42% of the combined total budget for the WP). The MI will also perform their share of project management, for which 37% of the combined total budget for the WP has been allocated. The global ratio between the MI's budget and the total budget for the partner SmartBay Ireland is 45%.</p>					€310,908

Partner name	Legal status	Type	Role	NUTS	Country	Budget
Partner 4 Ecole Centrale de Nantes	public	higher education and research	PP	FR511	FR	
Agence Pays de la Loire	<p>Agence Pays de la Loire will provide direct input into the 'Long Term Effects' work package which will involve a suite of tasks aimed at bringing the market and Ocean Energy technology closer:</p> <ul style="list-style-type: none"> • Establish a North West European Ocean Energy Road Map supported by the main stakeholders in these regions • Develop new public-private partnerships to take forward commercial projects in the most promising locations • Synchronise OE R&D across the NWE region to coordinate efforts and develop new partnerships • Undertake a review of the supply chain opportunities and optimise the offering to the sector • Undertake training and SME support activities to secure future financing for product commercialisation • Work with regional local governments to communicate the benefits of marine energy, including opportunities for economic development, job creation, as well as looking to how regional governments can establish supportive policies and initiatives <p>The Atlantic coastline of France contains a high OE potential and this project will help the Pays de la Loire region and surrounding areas to support the development of this emerging sector.</p>					€84,000

List of project progress reports

Report	Start	End	Status	AF period forecast	Total declared	Total FLC certified	Included in finance report	Forecast	Approved JS	Approved MA	Approved CA	Date submitted	JS date submitted	MA date submitted
Period 0 - 25 Feb 2016 - 25 Feb 2016				€50,000										
Report 0.1	25 Feb 2016	25 Feb 2016	Report submitted to CA		€50,000	€50,000	€50,000	€0	€50,000	€50,000	€50,000	27 Feb 2017	27 Feb 2017	27 Feb 2017
Period 1 - 25 Feb 2016 - 31 Dec 2016				€983,053										
Report 1.1	25 Feb 2016	30 Jun 2016	Report submitted to CA		€76,786	€73,396	€73,396	€0	€73,396	€73,396	€73,396	27 Jan 2017	14 Feb 2017	9 Mar 2017
Report 1.2	1 Jul 2016	31 Dec 2016	Report submitted to CA		€450,465	€446,367	€446,367	€490,517	€401,396	€401,396	€401,396	10 Jul 2017	17 Jul 2017	21 Jul 2017
Period 2 - 01 Jan 2017 - 31 Dec 2017				€2,803,921										
Report 2.1	1 Jan 2017	30 Jun 2017	Report submitted to JS		€938,907	€905,871	€905,871	€1,228,340	€0	€0		3 Nov 2017		
Period 3 - 01 Jan 2018 - 13 Dec 2019				€4,591,286										
Period 4 - 01 Jan 2019 - 13 Dec 2019				€2,012,796										
Totals					€1,516,157.41	€1,475,634.12	€1,475,634.12	€1,718,856.50	€524,792.07	€524,792.07	€524,792.07			



List of partner progress reports

Periode	Partner	AF period TEC	Report	Start date	End date	Submitted	Date submitted	Amount declared	Amount FLC certified	Forecast	FLC verified	FLC date verified
Period 0 - 25 Feb 2016 - 25 Feb 2016												
1	The European Marine Energy Centre Limited	€50,000						€50,000	€50,000			
			Report 0.1	25 Feb 2016	25 Feb 2016	Yes	9 Jun 2016	€50,000	€50,000		Yes	27 Feb 2017
2	Stichting Dutch Marine Energy Centre											
3	SmartBay Ireland Ltd											
4	Ecole Centrale de Nantes											
5	Ocean Energy Europe											
6	Scotrenewables Tidal Power Ltd (Subpartner of PP1 - GBER Art. 25)											
7	Sustainable Marine Energy Ltd (Subpartner of PP1 - GBER Art. 25)											
8	Corpower Ocean Ltd (Subpartner of PP1 - GBER Art. 25)											
9	Tocado Tidal Energy Limited (Subpartner of PP1 - GBER Art. 25)											
10	Tocado International BV (Subpartner of PP2 - GBER Art. 25)											
11	FishFlow Innovations (Subpartner of PP2 - GBER Art. 25)											
Period 1 - 25 Feb 2016 - 31 Dec 2016												
1	The European Marine Energy Centre Limited	€342,233						€373,716	€368,113	€450,		
			Report 1.1	25 Feb 2016	30 Jun 2016	Yes	27 Sep 2016	€76,786	€73,396		Yes	9 Dec 2016
			Report 1.2	1 Jul 2016	31 Dec 2016	Yes	23 Jan 2017	€296,930	€294,717	€450,	Yes	3 Apr 2017
2	Stichting Dutch Marine Energy Centre											
			Report 1.2	25 Feb 2016	31 Dec 2016	Yes	8 Mar 2017	€0	€0	€45,	Yes	8 Mar 2017

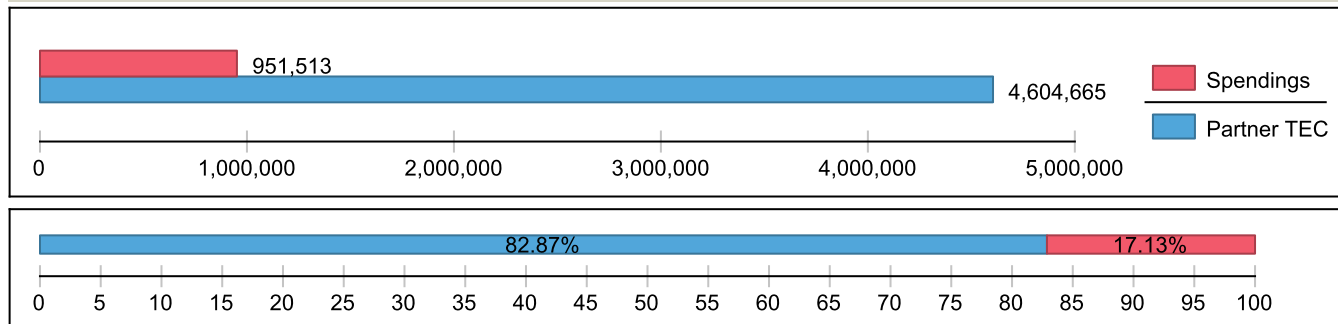
Periode	Partner	AF period TEC	Report	Start date	End date	Submitted	Date submitted	Amount declared	Amount FLC certified	Forecast	FLC verified	FLC date verified
Period 1 - 25 Feb 2016 - 31 Dec 2016												
3 SmartBay Ireland Ltd	€338,723							€71,637	€71,030			
		Report 1.1	25 Feb 2016	30 Jun 2016	Yes	28 Sep 2016	€31,260	€30,653		Yes	30 Mar 2017	
		Report 1.2	1 Jul 2016	31 Dec 2016	Yes	23 Jan 2017	€40,377	€40,377		Yes	30 Mar 2017	
4 Ecole Centrale de Nantes	€215,573											
5 Ocean Energy Europe	€86,525							€81,897	€80,621	€40,		
		Report 1.1	25 Feb 2016	30 Jun 2016	Yes	20 Sep 2016	€25,329	€25,350		Yes	31 Mar 2017	
		Report 1.2	1 Jul 2016	31 Dec 2016	Yes	17 Jan 2017	€56,569	€55,271	€40,	Yes	31 Mar 2017	
6 Scotrenewables Tidal Power Ltd (Subpartner of PP1 - GBER Art. 25)												
7 Sustainable Marine Energy Ltd (Subpartner of PP1 - GBER Art. 25)												
8 Corpower Ocean Ltd (Subpartner of PP1 - GBER Art. 25)												
9 Tocardo Tidal Energy Limited (Subpartner of PP1 - GBER Art. 25)												
10 Tocardo International BV (Subpartner of PP2 - GBER Art. 25)												
11 FishFlow Innovations (Subpartner of PP2 - GBER Art. 25)												
Period 2 - 01 Jan 2017 - 31 Dec 2017												
1 The European Marine Energy Centre Limited	€1,153,453							€536,559	€533,400	€900,		
		Report 2.1	1 Jan 2017	30 Jun 2017	Yes	25 Sep 2017	€536,559	€533,400	€900,	Yes	25 Sep 2017	
2 Stichting Dutch Marine Energy Centre	€97,373							€24,501	€24,501	€80,		
		Report 2.1	1 Jan 2017	30 Jun 2017	Yes	14 Aug 2017	€24,501	€24,501	€80,	Yes	15 Aug 2017	
3 SmartBay Ireland Ltd	€168,652							€53,496	€51,214	€120,		
		Report 2.1	1 Jan 2017	31 Dec 2017	Yes	28 Aug 2017	€53,496	€51,214	€120,	Yes	20 Sep 2017	
4 Ecole Centrale de Nantes	€436,617							€1				
		Report 2.1	1 Jan 2017	30 Jun 2017	No		€1	€0	€482,	No		

Periode	Partner	AF period TEC	Report	Start date	End date	Submitted	Date submitted	Amount declared	Amount FLC certified	Forecast	FLC verified	FLC date verified
Period 2 - 01 Jan 2017 - 31 Dec 2017												
5 Ocean Energy Europe	€96,679							€46,978	€46,978	€48,		
		Report 2.1	1 Jan 2017	30 Jun 2017	Yes	5 Sep 2017	€46,978	€46,978	€48,	Yes	13 Sep 2017	
		Report 2.2	1 Jul 2017	31 Dec 2017	No		€0	€0		No		
6 Scotrenewables Tidal Power Ltd (Subpartner of PP1 - GBER Art. 25)	€207,253							€193,932	€168,950			
		Report 2.1	1 Jan 2017	31 Dec 2017	Yes	7 Sep 2017	€193,932	€168,950		Yes	22 Sep 2017	
7 Sustainable Marine Energy Ltd (Subpartner of PP1 - GBER Art. 25)	€207,253											
		Report 2.1	1 Jan 2017	31 Dec 2017	No		€0	€0				
8 Corpower Ocean Ltd (Subpartner of PP1 - GBER Art. 25)	€232,000											
		Report 2.1	1 Jan 2017	31 Dec 2017	No		€0	€0				
9 Tocardo Tidal Energy Limited (Subpartner of PP1 - GBER Art. 25)	€121,800							€83,442	€80,829	€35,		
		Report 2.1	1 Jan 2017	31 Dec 2017	Yes	28 Aug 2017	€83,442	€80,829	€35,	Yes	22 Sep 2017	
10 Tocardo International BV (Subpartner of PP2 - GBER Art. 25)	€16,568											
		Report 2.1	1 Jan 2017	31 Dec 2017	No		€0	€0				
11 FishFlow Innovations (Subpartner of PP2 - GBER Art. 25)	€66,272											
		Report 2.1	1 Jan 2017	31 Dec 2017	No		€0	€0				
Period 3 - 01 Jan 2018 - 13 Dec 2019												
1 The European Marine Energy Centre Limited	€2,119,512											
2 Stichting Dutch Marine Energy Centre	€368,883											
3 SmartBay Ireland Ltd	€1,069,664											
4 Ecole Centrale de Nantes	€854,606											
5 Ocean Energy Europe	€95,779											

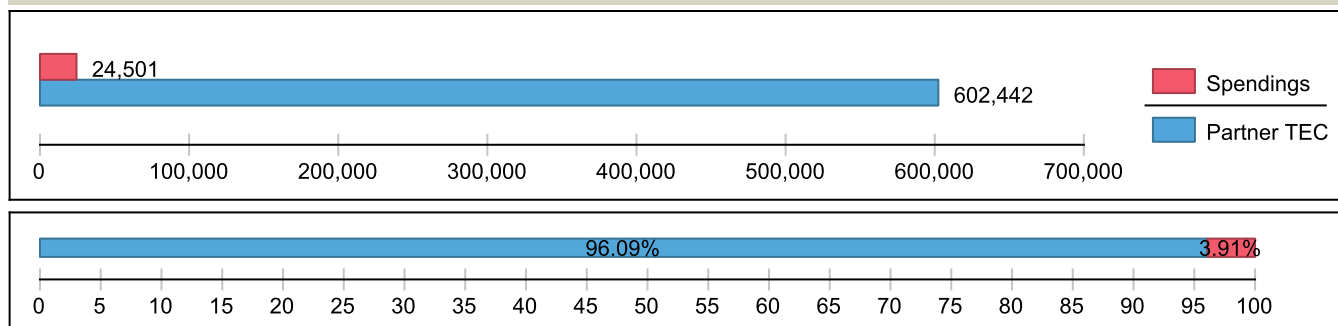
Periode	Partner	AF period TEC	Report	Start date	End date	Submitted	Date submitted	Amount declared	Amount FLC certified	Forecast	FLC verified	FLC date verified
Period 3 - 01 Jan 2018 - 13 Dec 2019												
6 Scotrenewables Tidal Power Ltd (Subpartner of PP1 - GBER Art. 25)												
7 Sustainable Marine Energy Ltd (Subpartner of PP1 - GBER Art. 25)												
8 Corpower Ocean Ltd (Subpartner of PP1 - GBER Art. 25)												
9 Tocardo Tidal Energy Limited (Subpartner of PP1 - GBER Art. 25)												
10 Tocardo International BV (Subpartner of PP2 - GBER Art. 25)	€66,272											
11 FishFlow Innovations (Subpartner of PP2 - GBER Art. 25)	€16,568											
Period 4 - 01 Jan 2019 - 13 Dec 2019												
1 The European Marine Energy Centre Limited	€939,467											
2 Stichting Dutch Marine Energy Centre	€136,186											
3 SmartBay Ireland Ltd	€261,050											
4 Ecole Centrale de Nantes	€576,664											
5 Ocean Energy Europe	€99,429											
6 Scotrenewables Tidal Power Ltd (Subpartner of PP1 - GBER Art. 25)												
7 Sustainable Marine Energy Ltd (Subpartner of PP1 - GBER Art. 25)												
8 Corpower Ocean Ltd (Subpartner of PP1 - GBER Art. 25)												
9 Tocardo Tidal Energy Limited (Subpartner of PP1 - GBER Art. 25)												
10 Tocardo International BV (Subpartner of PP2 - GBER Art. 25)												
11 FishFlow Innovations (Subpartner of PP2 - GBER Art. 25)												

Partner total TEC vs spendings (FLC certified)

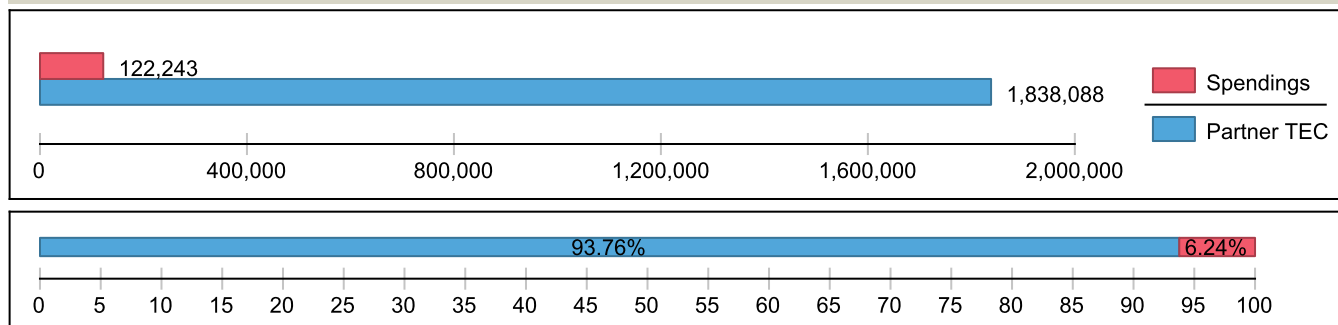
PP 1 - The European Marine Energy Centre Limited



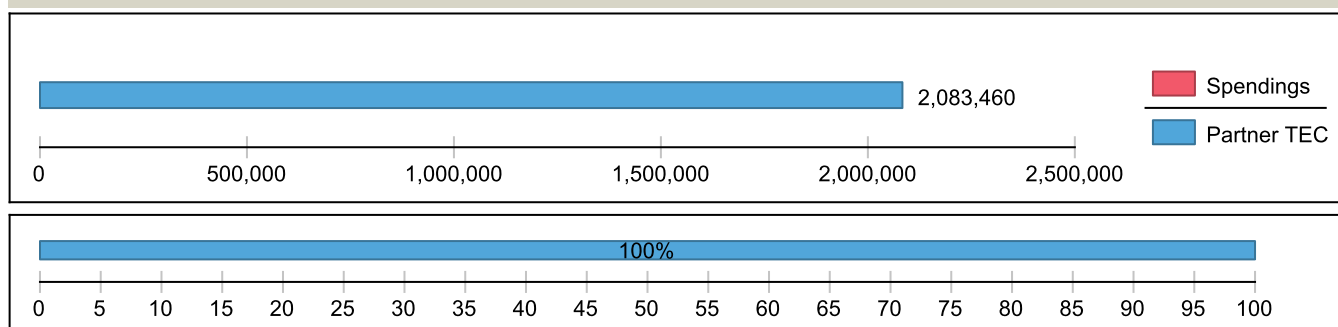
PP 2 - Stichting Dutch Marine Energy Centre



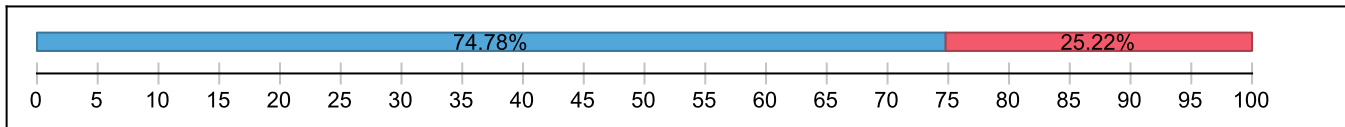
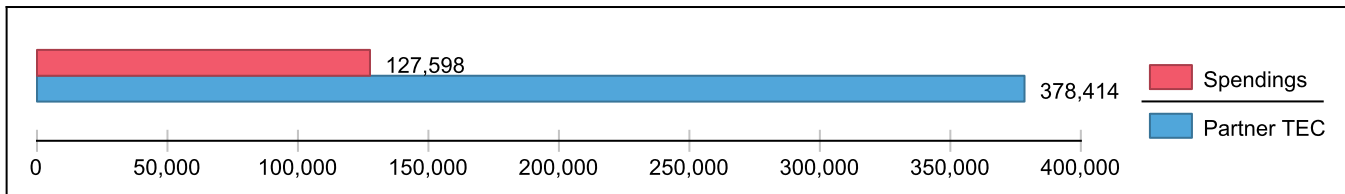
PP 3 - SmartBay Ireland Ltd



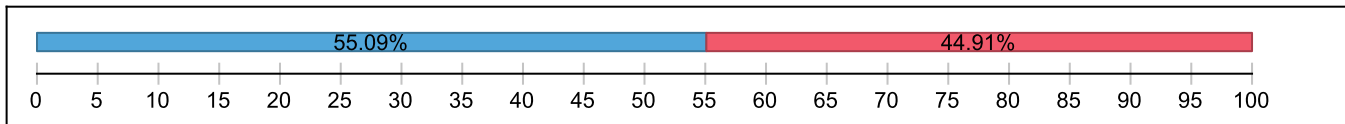
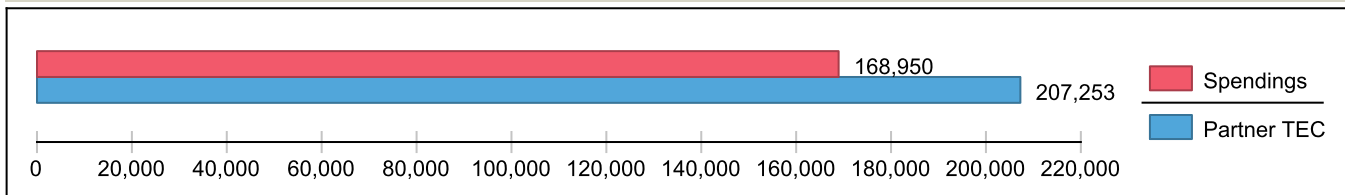
PP 4 - Ecole Centrale de Nantes



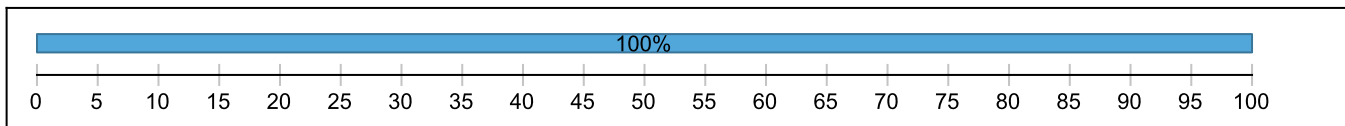
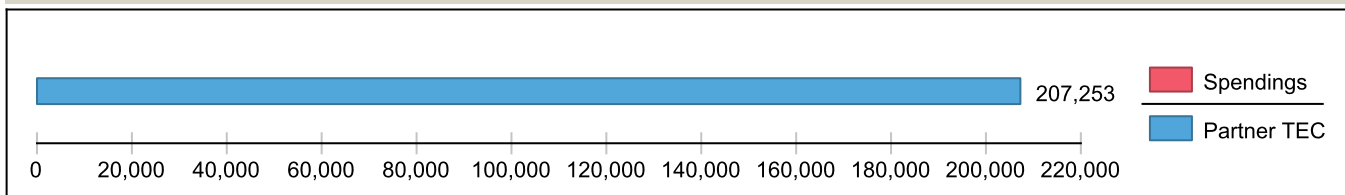
PP 5 - Ocean Energy Europe



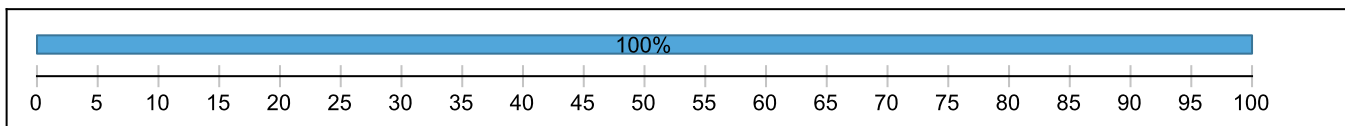
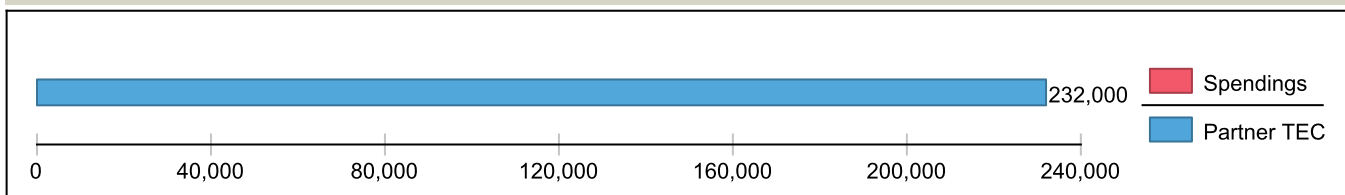
PP 6 - Scotrenewables Tidal Power Ltd (Subpartner of PP1 - GBER Art. 25)



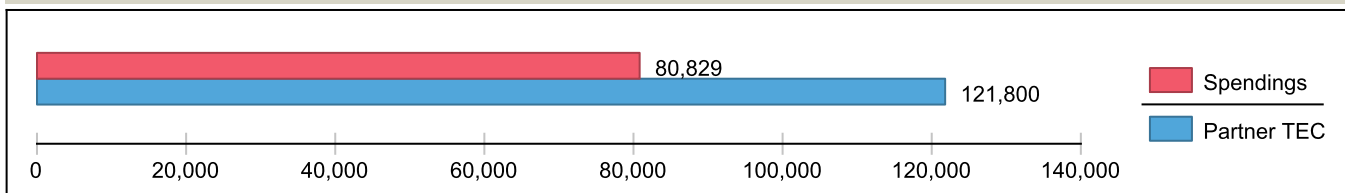
PP 7 - Sustainable Marine Energy Ltd (Subpartner of PP1 - GBER Art. 25)

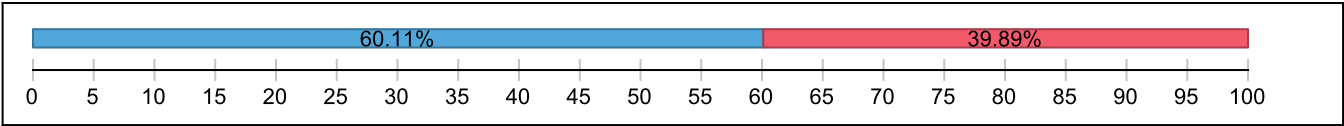


PP 8 - Corpower Ocean Ltd (Subpartner of PP1 - GBER Art. 25)

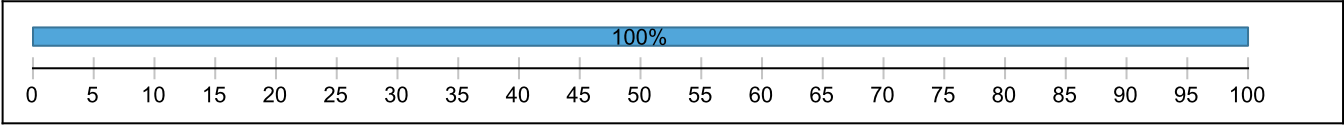
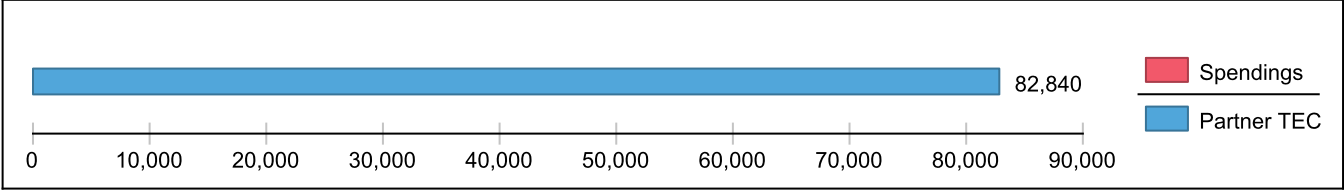


PP 9 - Tocardo Tidal Energy Limited (Subpartner of PP1 - GBER Art. 25)

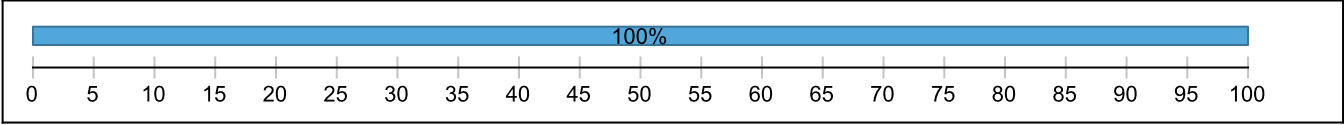
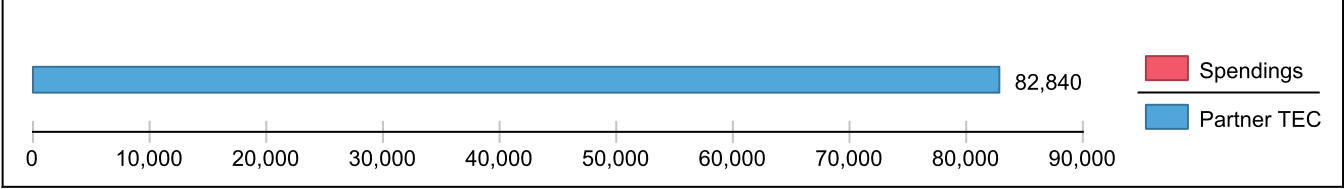




PP 10 - Tocardo International BV (Subpartner of PP2 - GBER Art. 25)



PP 11 - FishFlow Innovations (Subpartner of PP2 - GBER Art. 25)



Project main outputs achievement

Report	Start	End	PR status	Progr. output ind.	Project main output ind. no	Project main output title	Project main output quantif. target	Planned delivery	Current achieved	Achieved so far	Total achieved	Level of achievement
Report 0.1	25/02/2016	25/02/2016	Report submitted to CA				26					
				3.01. Number of adopted or applied low carbon technologies								
					T3.1.1	Test of low carbon OE devices with FOR	26	Jul 2019			0	not started
				3.04. Amount of funding leveraged by the project								
					T4.1.2	Creation of new OE product for low carb technologies and commercialisation to the market	30000000	Oct 2019			0	not started
				CO26. No. of enterprises co-operating with research institutions								
					T3.1.2	Test of low carbon OE devices with FOR	26	Jul 2019			0	not started
				CO28. Number of enterprises supported to introduce new to the market products								
					T4.1.1	Creation of new OE product for low carb technologies and commercialisation to the market	52	Oct 2019			0	not started
Report 1.1	25/02/2016	30/06/2016	Report submitted to CA				26					
				3.01. Number of adopted or applied low carbon technologies								
					T3.1.1	Test of low carbon OE devices with FOR	26	Jul 2019	0		0	not started
				3.04. Amount of funding leveraged by the project								
					T4.1.2	Creation of new OE product for low carb technologies and commercialisation to the market	30000000	Oct 2019	0		0	not started
				CO26. No. of enterprises co-operating with research institutions								
					T3.1.2	Test of low carbon OE devices with FOR	26	Jul 2019	0		0	not started
				CO28. Number of enterprises supported to introduce new to the market products								
					T4.1.1	Creation of new OE product for low carb technologies and commercialisation to the market	52	Oct 2019	0		0	not started

Report	Start	End	PR status	Progr. output ind.	Project main output ind. no	Project main output title	Project main output quantif. target	Planned delivery	Current achieved	Achieved so far	Total achieved	Level of achievement
Report 1.2	01/07/2016	31/12/2016	Report submitted to CA				26					
				3.01. Number of adopted or applied low carbon technologies								
					T3.1.1	Test of low carbon OE devices with FOR	26	Jul 2019	0	0	0	not started
				3.04. Amount of funding leveraged by the project								
					T4.1.2	Creation of new OE product for low carb technologies and commercialisation to the market	30000000	Oct 2019	0	0	0	not started
				CO26. No. of enterprises co-operating with research institutions								
					T3.1.2	Test of low carbon OE devices with FOR	26	Jul 2019	0	0	0	not started
				CO28. Number of enterprises supported to introduce new to the market products								
					T4.1.1	Creation of new OE product for low carb technologies and commercialisation to the market	52	Oct 2019	0	0	0	not started
Report 2.1	01/01/2017	30/06/2017	Report submitted to JS				26					
				3.01. Number of adopted or applied low carbon technologies								
					T3.1.1	Test of low carbon OE devices with FOR	26	Jul 2019	0	0	0	proceeding according to work plan
				3.04. Amount of funding leveraged by the project								
					T4.1.2	Creation of new OE product for low carb technologies and commercialisation to the market	30000000	Oct 2019	0	0	0	proceeding according to work plan
				CO26. No. of enterprises co-operating with research institutions								
					T3.1.2	Test of low carbon OE devices with FOR	26	Jul 2019	0	0	0	not started
				CO28. Number of enterprises supported to introduce new to the market products								
					T4.1.1	Creation of new OE product for low carb technologies and commercialisation to the market	52	Oct 2019	0	0	0	proceeding according to work plan

Target groups reached

Report	Start	End	PR status	Target group	Target value	Current value	Reached so far (prev. reports)	Percentage
Report 0.1	25 Feb 2016	25 Feb 2016	Report submitted to CA					
				national public authority	20	0	0	0
				infrastructure and (public) service provider	10	0	0	0
				higher education and research	15	0	0	0
				enterprise, excluding SME	20	0	0	0
				SME	150	0	0	0
Report 1.1	25 Feb 2016	30 Jun 2016	Report submitted to CA					
				national public authority	20	0	0	0
				infrastructure and (public) service provider	10	0	0	0
				higher education and research	15	0	0	0
				enterprise, excluding SME	20	0	0	0
				SME	150	0	0	0
Report 1.2	1 Jul 2016	31 Dec 2016	Report submitted to CA					
				national public authority	20	6	0	30
				infrastructure and (public) service provider	10	3	0	30
				higher education and research	15	11	0	73.33
				enterprise, excluding SME	20	14	0	70
				SME	150	71	0	47.33
Report 2.1	1 Jan 2017	30 Jun 2017	Report submitted to JS					
				national public authority	20	21	6	135
				infrastructure and (public) service provider	10	2	3	50
				higher education and research	15	9	11	133.33
				enterprise, excluding SME	20	7	14	105
				SME	150	29	71	66.67

Target groups summary

Target group	Target value	Report	Achieved value
SME	150		100
		Report 0.1	0
		Report 1.1	0
		Report 1.2	71
		Report 2.1	29
enterprise, excluding SME	20		21
		Report 0.1	0
		Report 1.1	0
		Report 1.2	14
		Report 2.1	7
higher education and research	15		20
		Report 0.1	0
		Report 1.1	0
		Report 1.2	11
		Report 2.1	9
infrastructure and (public) service provider	10		5
		Report 0.1	0
		Report 1.1	0
		Report 1.2	3
		Report 2.1	2
national public authority	20		27
		Report 0.1	0
		Report 1.1	0
		Report 1.2	6
		Report 2.1	21