

6. Dissemination and exploitation of results

6.1 Scientific publications

Type of scientific publication	Title of the scientific publication	DOI	ISSN or eSSN	Authors	Title of the journal or equivalent	Number, date	Publisher	Place of publication	Year of publication	Relevant pages	Public & private publication (1)	Peer-review	Is/Will open access provided to this publication
Article in Journal	<i>Oxidative stress: a bystander or a causal contributor to atrial remodelling and fibrillation?</i>	10.1093/cvr/cvab124	0008-6363	Dobrev D, Dudley SC.	Cardiovascular Research		Elsevier BV	Netherlands	2021		No	Yes	Yes - available in Gold Open Access
Article in Journal	<i>Association between retinopathy and development of long-term cardiovascular events. Results of the follow-up of RETICARD cohort</i>	10.1093/eurjpc/zwab061.218	2047-4873	Aguila Gordo D, Marina-Breyse M, Piqueras Flores J, et al.	European Journal of Preventive Cardiology		SAGE Publications Ltd	United Kingdom	2021		No	Yes	Yes - available in Gold Open Access
Article in Journal	<i>Challenges and Opportunities in Improving the Management of Atrial Fibrillation: Recent Research Advances and their Clinical Translation</i>	10.1093/cvr/cvab170	0008-6363	Nattel S, Lip GYH, Filgueiras-Rama D, Dobrev D	Cardiovascular Research		Elsevier BV	Netherlands	2021		No	Yes	Yes - available in Gold Open Access
Article in Journal	<i>From translation to integration: how to approach the complexity of atrial fibrillation mechanisms</i>	10.1093/cvr/cvab168	0008-6363	Schotten U.	Cardiovascular Research		Elsevier BV	Netherlands	2021		No	No	Yes - available in Gold Open Access
Article in Journal	<i>Why translation from basic discoveries to clinical applications is so difficult for atrial fibrillation and possible approaches to improving it</i>	10.1093/cvr/cvab093	0008-6363	Nattel S, Sager PT, Hüser J, Heijman J, Dobrev D.	Cardiovascular Research		Elsevier BV	Netherlands	2021		No	Yes	Yes - available in Gold Open Access
Article in Journal	<i>Epicardial origin of cardiac arrhythmias: clinical evidences and pathophysiology</i>	10.1093/cvr/cvab213	0008-6363	Chaumont C, Suffee N, Gandjbakhch E, et al.	Cardiovascular Research		Elsevier BV	Netherlands	2021		No	Yes	Yes - available in Gold Open Access

Article in Journal	Childhood infection and modern malnutrition: do childhood infections create an inflammatory foundation for atherosclerosis in adult life?	10.1016/j.ijcha.2021.100840	0008-6363	Fender A, Dobrev D	Int J Cardiol Heart Vasc		Elsevier BV	Netherlands	2021		No	Yes	Yes - available in Gold Open Access
Article in Journal	Personalized management of sleep apnea in patients with atrial fibrillation: An interdisciplinary and translational challenge	10.1016/j.ijcha.2021.100843	0008-6363	Linz D, Linz B, Dobrev D, Baumert M, Hendriks JM, Pepin JL, Jespersen T	Int J Cardiol Heart Vasc		Elsevier BV	Netherlands	2021		No	Yes	Yes - available in Gold Open Access
Article in Journal	Does gut microbiota affect atrial rhythm? Causalities & Speculations	10.1093/eurheartj/ehab467	0195-668X	Linz D, Gawako M, Sanders P, Penders J, Li N, Nattel S, Dobrev D	Eur Heart J		Oxford University Press	United Kingdom	2021		No	Yes	Yes - available in Gold Open Access
Article in Journal	The virtual patient – Estimating the health utility of aspirin in simulated populations	10.1016/j.ijcha.2021.100857	0008-6363	Fender AC, Dobrev D	Int J Cardiol Heart Vasc		Elsevier BV	Netherlands	2021		No	Yes	Yes - available in Gold Open Access
Article in Journal	Pathophysiological differences between atrial fibrillation subgroups: Is there a fibrillatory-induced atherosclerotic disease progression?	10.1016/j.ijcha.2021.100892	0008-6363	Goette A.	IJC Heart & Vasc		Elsevier BV	Netherlands	2021		No	Yes	Yes - available in Gold Open Access
Article in Journal	Rotors anchored by refractory islands drive Torsades de Pointes in an experimental model of electrical storm	10.1016/j.hrthm.2021.10.012	0008-6363	Yamazaki M, Tomii N, Tsuneyama K, Takanari H, Niwa R, Honjo H, Kodama I, Arafune T, Makita N, Sakuma I, Dobrev D, Nattel S, Tsuji Y	Heart Rhythm		Elsevier BV	Netherlands	2021		No	Yes	Yes - available in Gold Open Access
Publication in Conference proceedings/Workshop	Atrial fibrillation and stroke: are we looking in the right direction?	10.1093/cvr/cvab341	0008-6363	Hatem SN, Cohen A.	Cardiovascular Research		Elsevier BV	Netherlands	2021		No	Yes	Yes - available in Gold Open Access
Article in Journal	Proteomics: a promising approach to discover new biomarkers for atrial fibrillation	10.1016/j.ijcard.2021.10.135	0008-6363	Song J, Dobrev D, Li N	Int J Cardiol		Elsevier BV	Netherlands	2021		No	Yes	Yes - available in Gold Open Access

Article in Journal	Impacts of a high-fat diet on the metabolic profile and the phenotype of atrial myocardium in mice	10.1093/cvr/cvab367	0008-6363	Suffee N, Baptista E, Piquereau J, et al.	Cardiovascular Research		Elsevier BV	Netherlands	2021		No	Yes	Yes - available in Gold Open Access
Article in Journal	Minding the gap – Heterogeneity of antithrombotic treatment preferences in complex scenarios in absence of evidence-based guidelines	10.1016/j.ijcard.2021.12.030	0008-6363	Fender AC, Bruns F, Dobrev D	Int J Cardiol		Elsevier BV	Netherlands	2022		No	Yes	Yes - available in Gold Open Access
Article in Journal	Fat chance for POAF? Pericardial adipose tissue and the arrhythmogenic substrate for postoperative atrial fibrillation	10.1016/j.ijcha.2022.101000	0008-6363	Gawako M, Dobrev D	Int J Cardiol Heart Vasc		Elsevier BV	Netherlands	2022		No	Yes	Yes - available in Gold Open Access
Article in Journal	Endomysial fibrosis, rather than overall connective tissue content, is the main determinant of conduction disturbances in human atrial fibrillation	10.1093/europace/ueac026	1099-5129	Maesen B, Verhuele S, Zeemering S, et al.	EP Europace		Oxford University Press	United Kingdom	2022		No	Yes	Yes - available in Gold Open Access
Article in Journal	Chronic total occlusion of infarct-related artery: A bystander or a risk factor of electrical storm?	10.1016/j.ijcha.2022.101051	0008-6363	Tsuji Y, Dobrev D	Int J Cardiol		Elsevier BV	Netherlands	2022		No	No	Yes - available in Gold Open Access
Article in Journal	Emerging Antiarrhythmic Drugs for Atrial Fibrillation	10.3390/ijms23084096	1422-0067	Salic A, Heijman J, Dobrev D	International Journal of Molecular Sciences		Multidisciplinary Digital Publishing Institute (MDPI)	Switzerland	2022		No	Yes	Yes - available in Gold Open Access
Article in Journal	Remodeling of Ion Channel Trafficking and Cardiac Arrhythmias	10.3390/cells10092417	2073-4409	Blandin CE, Gravez BJ, Hatem SN, Balse E.	Cells		MDPI	Switzerland	2021		No	Yes	Yes - available in Gold Open Access

Article in Journal	Gut microbiota, dysbiosis and atrial fibrillation. Arrhythmogenic mechanisms and potential clinical implications	10.1093/cvr/cvab292	0008-6363	Gawako M, Agbaedeng TA, Saljic A, Müller DN, Wilck N, Schanabel R, Penders J, Rienstra M, van Gelder I, Jespersen T, Schotten U, Crijns HJGM, Kalman JM, Sanders P, Nattel S, Dobrev D, Linz D	Cardiovascular Research		Elsevier BV	Netherlands	2021		No	Yes	Yes - available in Gold Open Access
Article in Journal	Atrial Cardiomyopathy: Pathophysiology and Clinical Consequences	10.3390/cells10102605	2073-4409	Goette A, Lendeckel U	Cells		MDPI	SWITZERLAND	2021		No	Yes	Yes - available in Gold Open Access
Article in Journal	Stretching the limits of antiarrhythmic drug therapy: the promise of small-conductance calcium-activated potassium channel blockers	10.1016/j.ijcha.2021.100924	0008-6363	Heijman J, Rahm AK, Dobrev D	IJC Heart & Vasculature		Elsevier BV	Netherlands	2021		No	Yes	Yes - available in Gold Open Access
Article in Journal	Presenting Pattern of Atrial Fibrillation and Outcomes of Early Rhythm Control Therapy	10.1016/j.jacc.2022.04.058	0008-6363	Goette A, Borof K, Breithardt G, et al.	JACC		Elsevier BV	Netherlands	2022		No	Yes	Yes - available in Gold Open Access
Article in Journal	Assessment of atrial function by echocardiography: can this be used to assess the arrhythmogenic atrial substrate?	10.1016/j.ijcard.2022.05.070	0008-6363	Bruns F, Dobrev D	Int J Cardiol		Elsevier BV	Netherlands	2022		No	Yes	Yes - available in Gold Open Access
Article in Journal	Adiposity-associated atrial fibrillation: molecular determinants, mechanisms, and clinical significance	10.1093/cvr/cvac093	0008-6363	Gawalko M, Saljic A, Li N, et al.	Cardiovascular Research		Elsevier BV	Netherlands	2022		No	Yes	Yes - available in Gold Open Access
Article in Journal	TGF-1-induced endothelial-to-mesenchymal transition: a potential contributor to atrial fibrillation promoting fibrotic remodeling?	10.1172/jci161070	0021-9738	Saljic A, Grandi E, Dobrev D	J Clin Invest		American Society for Clinical Investigation	United States	2022		No	Yes	Yes - available in Gold Open Access

Article in Journal	Common disease-promoting signaling pathways in heart failure and atrial fibrillation: putative underlying mechanisms and potential therapeutic consequences	10.1093/cvr/cv ac107	0008-6363	Keefe JA, Wehrens XT, Dobrev D	Cardiovascular Research		Elsevier BV	Netherlands	2022		No	Yes	Yes - available in Gold Open Access
Article in Journal	Anti-inflammatory effects of endothelin receptor blockade in left atrial tissue of spontaneously hypertensive rats	10.1016/j.ijcha. 2022.101088	0008-6363	Bukowska A, Nikonova Y, Wolke C, et al.	IJC Heart & Vasculature		Elsevier BV	Netherlands	2022		No	Yes	Yes - available in Gold Open Access
Article in Journal	Molecular determinants and therapeutic potential of focal ectopic activity: more than meets the eye	10.1093/eurhe artj/ehac357	0195-668X	Heijman J, Dobrev D.	European Heart Journal		Oxford University Press	United Kingdom	2022		No	Yes	Yes - available in Gold Open Access
Article in Journal	Eligibility for early rhythm control in patients with atrial fibrillation in the UK Biobank	10.1136/heartjn l-2022-321196	1355-6037	Kany S, Cardoso VR, Bravo L, et al.	BMJ Heart		BMJ Publishing Group	United Kingdom	2022		No	Yes	Yes - available in Gold Open Access
Article in Journal	Atrial fibrillation substrate development before, during and after cardiac surgery: Who is to blame for late post-operative atrial fibrillation?	10.1016/j.ijcard .2022.07.027	0008-6363	Cai M, Schotten U, Dobrev D, Heijman J.	International Journal of Cardiology		Elsevier BV	Netherlands	2022		No	Yes	Yes - available in Gold Open Access
Article in Journal	Early diagnosis and better rhythm management to improve outcomes in patients with atrial fibrillation: the 8th AFNET/EHRA consensus conference	10.1093/europ ace/euac062	1099-5129	Schnabel RB, Marinelli EA, Arbelo E, et al.	EP Europace		Oxford University Press	United Kingdom	2022		No	Yes	Yes - available in Gold Open Access
Article in Journal	Molecular stratification of arrhythmogenic mechanisms in the Andersen Tawil Syndrome.	10.1093/cvr/cv ac118	0008-6363	Manuel AIM, Jalife J, et al.	Cardiovascular Research		Elsevier BV	Netherlands	2022		No	Yes	Yes - available in Gold Open Access

Article in Journal	Great Debate: Triple antithrombotic therapy in patients with atrial fibrillation undergoing coronary stenting should be limited to 1 week	10.1093/eurheartj/ehac294	0195-668X	Galli M, Agewall S, Andreotti F, et al.	European Heart Journal		Oxford University Press	United Kingdom	2022		No	Yes	Yes - available in Gold Open Access
Article in Journal	Persisting stroke risk in patients with atrial fibrillation despite proper anticoagulation – unmet clinical needs	10.1016/j.ijcard.2022.08.019	0008-6363	Bruns F, Dobrev D, Fender AC	Int J Cardiol		Elsevier BV	Netherlands	2022		No	Yes	Yes - available in Gold Open Access
Article in Journal	Atrial fibrillation in the presence and absence of heart failure enhances expression of genes involved in cardiomyocyte structure, conduction properties, fibrosis,	10.1016/j.hrthm.2022.08.019	0008-6363	Zeemering S, Isaacs A, Winters J, et al.	Zeemering S, Isaacs A, Winters J, et al.		Elsevier BV	Netherlands	2022		No	Yes	Yes - available in Gold Open Access
Article in Journal	Inflammatory signaling in atrial cardiomyocytes : a novel unifying principle in atrial fibrillation pathophysiology	10.1038/s41569-022-00759-w	1759-5002	Dobrev D, Heijman J, Hiram R, Li N, Nattel S	Nat Rev Cardiol		Nature Publishing Group	United Kingdom	2022		No	Yes	Yes - available in Gold Open Access

1 "Both the joint publications coming from academic and corporate project participants as well as joint publications of project participants with academic/corporate organisations outside the consortium (as long as they are related to the funded project) should be reported."

6.2 Dissemination and communication activities

List only activities directly linked to the project.

Type of dissemination and communication activities	Number
Organisation of a Conference	
Organisation of a Workshop	2
Press release	
Non-scientific and non-peer-reviewed publication (popularised publication)	
Exhibition	
Flyer	
Training	
Social Media	10
Website	1
Communication Campaign (e.g. Radio, TV)	
Participation to a Conference	11
Participation to a Workshop	
Participation to an Event other than a Conference or a Workshop	
Video/Film	4
Brokerage Event	
Pitch Event	
Trade Fair	
Participation in activities organised jointly with other EU project(s)	
Other	
Total funding amount	12,000.00 €

Type of audience reached In the context of all dissemination & communication activities (multiple choices is possible)	Estimated Number of persons reached
Scientific Community (Higher Education, Research)	85895
Industry	
Civil Society	
General Public	
Policy Makers	
Media	
Investors	
Customers	
Other	

6.3 Intellectual property rights resulting from the project

Type of IP Rights	Official title of the application	Application reference	Date of the application	Applicant(s)	Has the IPR protection been awarded?	If available, official publication number of award of protection
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6.4 Innovation

Does the project include the following activities and if so how many of each?

Activities developed within the project	Number
<i>Prototypes</i>	0
<i>Testing activities (feasibility/demo)</i>	0
<i>Clinical trials</i>	4

Will the project lead to launching one of the following into the market (several possible):

<i>New product (good or service)</i>	-
<i>New process</i>	-
<i>New method</i>	-

How many private companies in your project have introduced or are planning to introduce innovations (within the project lifetime or 3 years thereafter):

	Total Number of companies	Number of SMEs
<i>Prototype Companies introducing innovation(s) new to the market</i>	0	0
<i>Companies introducing innovation(s) only new to the company</i>	0	0

7. Impact on SMEs

SME Name	<i>Turnover of the company at the beginning of the project/most recent accountability period from the beginning of the project</i>	<i>Number of employees at the beginning of the project/ most recent accountability period from the beginning of the project</i>	<i>Turnover of the company at the most recent accountability period</i>	<i>Number of employees at the most recent accountability period</i>
YOURRHYTHMICS	70,000.00 €	4	70,000.00 €	4
OWKIN FRANCE	17,733.00 €	248	17,733.00 €	248
PREVENTICUS GMBH	500,000.00 €	30	500,000.00 €	30
IDOVEN 1903 SL	1,200,000.00 €	32	1,200,000.00 €	32

8. Open Research Data

[More information on Data Management Plans \(DMPs\) in the Online Manual.](#)

Digital Object Identifier, DOI (if available)	Title/Identifier (if no DOI available)	Is this dataset Openly accessible ¹ ?	Is this dataset re-usable ²	If the dataset is linked to a publication, specify the DOI of the publication
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¹ Accessible means Open Access defined as free of charge access for anyone via Internet. Answer "yes" if the open access to the data is already established or if it will be established after an embargo period.

² Re-usability has 2 aspects: 1) technical: the technical standards used are compatible 2) legal: the necessary rights are in place for other users to use the dataset.

9. Gender

Gender of researchers and other workforce¹ involved in the project

Beneficiaries	Number of female researchers ²	Number of male researchers ²	Number of females in the workforce other than researchers	Number of males in the workforce other than researchers	Total number of females in the workforce	Total number of males in the workforce
1 - SU	4	3	0	1	4	4
2 - AP-HP	1	1	4	1	5	2
3 - UOXF	1	3	0	0	1	3
4 - UoB	2	2	0	0	2	2
5 - AFNET	2	2	2	1	4	3
6 - UDE	1	1	0	0	1	1
7 - MU	3	5	1	1	4	6
8 - UoA	0	3	0	0	0	3
9 - CNIC	1	2	3	0	4	2
10 - MGH	2	1	0	0	2	1
11 - IMT	0	0	2	2	2	2
12 - CRCHUS	4	11	7	2	11	13
13 - SHS	0	0	1	2	1	2
14 - CARISTO	0	1	0	2	0	3
15 - OWKIN	2	2	0	0	2	2
16 - IDOVEN	5	4	3	5	8	9
17 - PREV	0	1	0	3	0	4
18 - YourRhythmics	0	0	2	3	2	3

Gender dimension in the Project

Does the project include a gender dimension in research content³? *No*

¹ Figures must be provided in Head Count.

² 'Researchers' are professionals engaged in the conception or creation of new knowledge. They conduct research and improve or develop concepts, theories, models, techniques instrumentation, software or operational methods. (Frascati Manual (2015): #5.35).

³ Gender dimension in research content means taking into account as relevant the biological characteristics and the social and cultural features of women and men in the content of the research itself. It does not refer to the gender balance in research team participating to the research project.