

# **PROmoting ethics and integrity in non-medical RESearch**

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# **EXECUTIVE SUMMARY**

This document provides an overview of the process followed in the PRO-RES project, which corresponds to deliverable **D7.5** 'PRO-RES website and social media presence". The goal of this deliverable is the development of the project website and social media presence which is set in the DoA based on WP7 "Project Communication, dissemination and exploitation" requirements. The website will be freely accessible to stakeholders and it will contain information on the project, its background, its objectives and the time schedule as well. The website will be regularly updated with the latest progress, providing newsletters and information for previous, on-going and upcoming events such as conferences, seminars and workshops. The web page, also developed for mobile phone view environment, can be accessed via the Internet at the following address: <u>http://prores-project.eu/</u>

The "PRO-RES" website will have multi pages philosophy from the initial phases of the project and an exclusive typography. The website will be separated in **two sectors: the public sector** and **the private sector** (registration required). Moreover, there will be the ability to access information through the extensive use of light box (Photos, articles, pdf, external sites and videos).



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# **CHAPTER 1: INTRODUCTION**

PRO-RES (**PRO**moting integrity in the use of **RES**earch results in evidence based policy: a focus on non-medical research) project aims to create a comprehensive, flexible and durable guidance framework that covers the spectrum of non-medical sciences and offers effective solutions for stakeholders, which comply with the highest standards of research ethics and integrity. Important foundational efforts have been made in order to establish a research ethics and integrity framework. Many great codes, guidelines and frameworks already exist, but several of them have often been insufficiently acknowledged in subsequent advances. This framework will take into account these previous examples, in order to deliver a set of pragmatic solutions, building on previous work and creating strong links with on-going projects. The framework, in PRO-RES project, will be 'staged' starting with a simple introductory level of 'basic principles' leading to more explanatory/background levels and ultimately more complex aids for decision-making at later stages of research.

In the frame of PRO-RES project, communication, dissemination and exploitation of project results are considered very important factors of success. A wide range of dissemination activities will be implemented for the findings of PRO-RES project to achieve the highest possible visibility and impact. One of the key methods to raise awareness of the project and successfully address target audience is by creating a Project Website.

The "PRO-RES" website will be a complete interactive web portal that uses the ever-increasing social networking tools to achieve a unique highlight and showcase of the program. The site will be regularly updated during the project and will, consequently, act as a dynamic and up-to-the-minute source of information for public and research agencies who want to balance many political, institutional and professional contradictions and constraints. PRO-RES's online activities comprise a classic web page with an environment for mobile phones, with easy to use micro-sites, created in a consistent and user-friendly way so that project messages can reach a wide audience.

# CHAPTER 2: WEBSITE DESCRIPTION - PROJECT'S PHILOSOPHY

The "PRO-RES" website is designed in a way to be an interactive web portal and ensures access and dissemination of information. The presence of social networking tools in combination with the dynamic and up-to-the-minute renewal of information are used in order to obtain a unique highlight and showcase of the program. The address homing PRO-RES electronic content is the following:

## "http://prores-project.eu/"

The "PRO-RES" website will have multi pages philosophy from the early stages of the project and a unique and large typography. The website will be separated in a public and private (partner) sector (registered) and the content will be designed in compatible with search engines. Also, there will be the ability to access (without page break) information through the extensive use of lightbox (Photos, articles, pdf, external sites and videos).

## 2.1 FRONT- END DESCRIPTION

The "PRO-RES" website will be consisted of three main native sections. Thus, different users such as project participants versus other interested parties can have different access rights. More specifically:

- > The public section: This section will be open to visitors, with no registration needed.
- > The member section: This section will be open to visitors after a registration process.
- The Partners section: This section will be open only to the partners of the project, after the relevant registration.

The webpage will host four additional links of social accounts and one external page:

- 1. The Facebook account.
- 2. The Twitter account.
- 3. The YouTube account.
- 4. The LinkedIn account.
- 5. The Wikipedia page.

All of the above will be merged into the webpage and additionally will be linked to the individual user accounts creating a unique and continuously expanding network that will be fed and renewed



by a community of members with common interest and vision. Data (Articles, Photos, Video) will be stored (in database) and shared through the community by creating specialized libraries open for use and further development. The platform will be designed to be continuously expandable and customizable the new trends and capabilities of both traditional websites and social media.

2.2 BACK-END DESCRIPTION.

The "PRO-RES" website will use the following technologies:

- CMS (content management system) based on Wordpress cms.
- Responsive design using HTML 5, CSS3 and JS technologies.
- Databases technology using MySQL, PHP 5+ and phpMyAdmin.
- Cross platform and devices user layout based on Option framework.

## CHAPTER 3: INITIAL PLAN FOR WEBPAGE STRUCTURE

PRO-RES webpage is consisted of **11 main sectors** that are designed with proper visual design in order to provide usability and utility to users. The main sectors are shown in Figure 1, which was used as a project plan: 1. Home, 2. Project, 3. Framework, 4. Partners, 5. Time Schedule, 6. Newsletters, 7. Events, 8. Test Cases, 9. Forum, 10. Members and 11.Contact. The whole website is created in one-page design, meaning that audience can get the information fast and well structured. In Figure 1, an initial guidance for the website creation is illustrated.



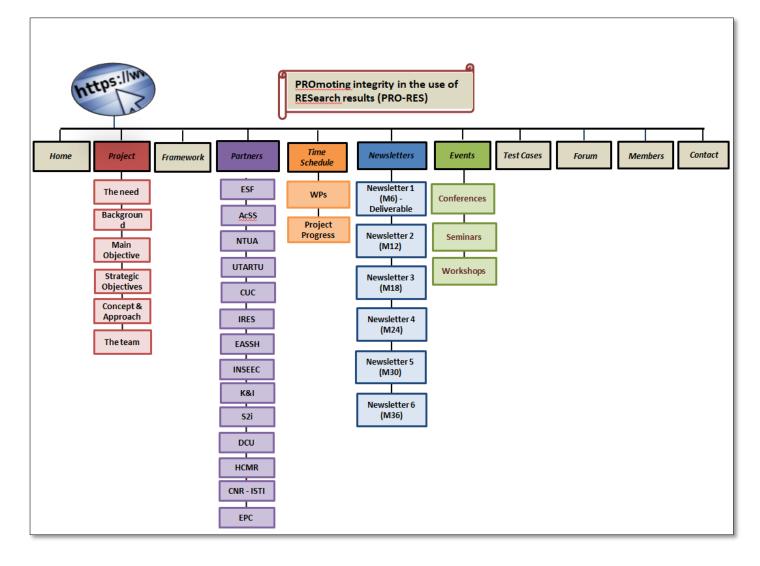


Figure 1: Plan for the website creation

A platform to build the site was determined, and an open-source option WordPress was selected, in order to build an advanced website, using all the available tools such asmodern web, high resolution images, transparency, vector elements and open-source fonts. On the website's home page, which serves as the starting point of website, the main idea of the project is presented and users can choose between the other pages mentioned above. Each of these pages will be presented in sub-sections below, providing a short description of them.

## 3.1 Номе

Home page is the main page for visitors' navigation in a website, which comes from a web search engine process. PRORES home page includes introductory information of the project,



presenting the relevant logo and the full title of the project accompanied with representative pictures. Home page is used to facilitate navigation to other pages on the site, by providing appropriate links. Also, in this area, the latest and most important project news and significant events will be exposed and renewed in a regular basis. A search box can also be found there in order to improve and facilitate visitors' navigation. Moreover, in home page, external links to social media can be found, with aim of promoting the interaction among stakeholders.



Figure 2: Pro-Res Website, Home Page.

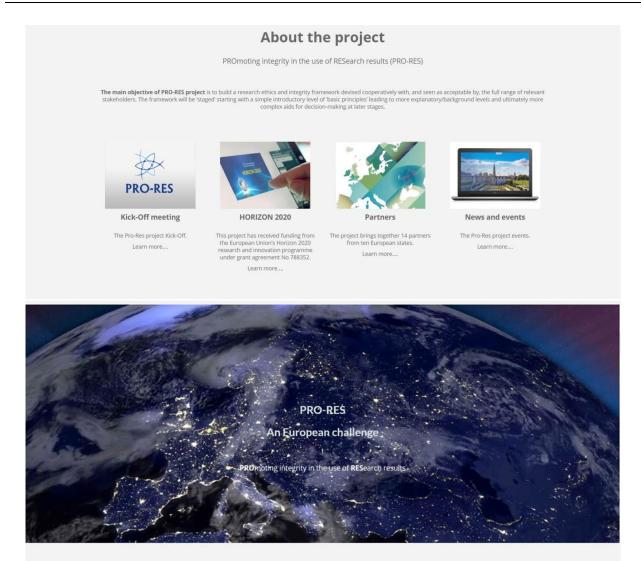


Figure 3: Pro-Res Website, Home Page.

## **3.2 THE PROJECT**

Here, the aims of the project are highlighted and clearly presented (Fig. 4). The section of the project description includes a summary of the following:

- <u>The need</u> of the project, where is highlighted the fact that researchers face severe risks on Delivering Responsible Research and Innovation (RRI), when they try to balance many political, institutional and professional contradictions and constraints.
- <u>Its background</u>, where special attention is given to valuable foundational endeavours that have been accomplished in order to build a research ethics and integrity framework.
- Its <u>main objective</u> followed by <u>strategic objectives</u>, where the overall goal of the PRO-RES project is highlighted.
- Information about the <u>concept and approach</u> of the project, that will be followed, where drafting, testing and finalising an Oviedo/Helsinki type framework is the ultimate outcome of PRO-RES project.
- General information about <u>the team</u>, which consists of 14 entities, coming from 10 different countries.



ECT PARTNERS TIME SCHEDULE NEWSLETTER EVENTS MEMBERS

## The project

PROmoting integrity in the use of RESearch results (PRO-RES)

Pro-Res project aims to produce a guidance framework regarding the Delivering Responsible Research and Innovation (RRI), which is required from researchers and research agencies, in order to balance political, institutional and professional contradictions and constraints. This framework aims to

cover the spectrum of non-medical sciences and
offer practical solutions for all stakeholders, that will comply with the highest standards of research ethics and integrity.

In terms of post-2020 European strategic funding policy this offers a strong and sustainable contribution to RRI via a comprehensive ethics and integrity framework similar to Oviedo/ Helsinki which will have been constructed in negotiation with relevant stakeholders.

#### The need

Researchers and research agencies face serious risks on Delivering Responsible Research and Innovation (RRI), in order to balance many political, institutional and professional contradictions and constraints. These are as difficult and demanding in nommedical fields as in biomedical research. More specifically, researchers, reviewers, regulators and policymakers are tested by the diverse codes of ethical practice and regulations, by the complexities of relevant data protection legislation, by inconsistencies in the applications of regulations and by the practical professional pressures of acting in diverse non-medical research fields.

#### Main objective

The overall goal of the PRO-RES project is to build a research ethics and integrity framework devised cooperatively with, and seen as acceptable by, the full range of relevant stakeholders and similar to Oviedo/Helsinki. PRO-RES will draw upon previous foundational work funded by the EC, and other national and international agencies. While linking to existing foundational work, to be durable and sustainable the outcome must also be flexible enough to meet anticipated future needs. Consequently, the framework will be staged's starting with a simple introductory level of 'basic principles' leading to more explanatory/background levels and ultimately more complex aids for decision-making at later stages.

#### Strategic Objectives:

The main objective is supported by the following 7 strategic objectives

1. Identify and categorise stakeholders, guidelines and codes, across the EU area and across non-medical disciplines, to ensure that the organisation and channelling of expertise, in the context of policy advice, is well understood.

2. Activate and engage stakeholders across the EU and across disciplines.

3. Construct a normative framework for evidence based policy originating from cutting edge research responses to ethical challenges.

4. Understand the implications and pragmatic issues that are entailed in the implementation of such a framework at a national level and analyse the relationship between science based policy advice, responsible conduct of research and research ethics.

5. Ensure that the produced framework in sustainable and adaptive and can anticipate future needs that may arise from new scientific discoveries and new available technologies.

6. Provide a toolbox to policy makers to monitor ethical use of research results and be able to perform impact evaluation and gauge the socio-economic impact of not conducting responsible research.

7. Ensure that the needs of society are well encapsulated in the framework.

#### Concept and approach

As its ultimate outcome, PRO-RES will create an Ovledo/Helsinki type framework that could apply to the full range of non-medical sciences drawing upon previous foundational work funded by the EC, and other national and international agencies. Several specific issues related to integrity in the use of research results in evidence-based policy making which will be unpacked during the PRO-RES project. Understanding how each of these issues can be addressed is core to the work. Better research integrity for better research IDENT for better research for better evidence for better policy.

1.Drafting the Framework: PRO-RES will work towards building a research ethics and integrity framework devised cooperatively with, and seen as acceptable by, the full range of relevant stakeholders and similar in form to Oviedo/Helsinki.

2.Testing the Framework: 'Bench testing' of the framework (in vitro) will be conducted in 'thought experiments' with working groups selected from the partners.

3.Finalising the Framework / Dissemination: The final framework will incorporate all the feedback from the consultation process as well as the test cases.

4.Consultation process: the consortium will build up a core group of stakeholders and then enlarge it with the aim of promoting consensus and engagement with the project issues.

5.PRO-RES website: an Interactive virtual platform housing a living document: The framework, backed by a series of relevant resources, will be housed on a virtual interactive platform to a range of access levels which will be practically applicable to non-medical research projects from undergraduate to high level projects by fully funded professional research agencies.

6.Sustainability: of the platform and the framework needs to be taken care both from the substantive and technical point of view, for the PRO-RES framework to remain updated and in use after the end of the project.

7. Providing innovative tools for the Framework: Regulation, monitoring and assessment will aim to propose, through the Framework, a series of innovative tools with the objective of constructing key indicators to promote a virtuous use of research results.

Figure 4: Pro-Res Website, The Project tab.

## **3.3 FRAMEWORK**

The main target of this page is to offer information and practical help in the following aspects:

1) Guiding interested parties to methods of accomplishing reliable and accurate research &

2) guiding stakeholders (researchers, reviewers, regulators, research managers, policymakers, a representative range of research subjects/participants) through the issues and concepts to valued sources and archived documentation, related to good practices in research.

In order for stakeholders to take advantage of the framework, they have to select their 'role' from a list that contains options like "researcher", "research manager", "research funders", "research commissioners", "policymaker" and many more. After that, some more questions and answers accordingly, through links, can drive the navigator to the final stage, where useful guidance on research is provided.



## **3.4** PARTNERS

This section includes the name and brief descriptions of the partners involved in the project, accompanied with their logos, as shown in Figure 5. Moreover, virtual pages for each partner contain extensive information and as an example Figures 6 and 7 are presented below.

PRORES	HOME PROJECT PA	RTNERS TIME SCHEDULE NEWSLETTI	ER EVENTS MEMBERS CONTACT
	Part	ners	
PRO-RES is a collaborative project built Ireland). These complementarities allow	by 14 entities, coming from 10 countries (Frai the consortium to perform work not possible expertise and resources to achieve the obje	nce, United Kingdom, Portugal, Greece, Estor at an individual level. The project assemble ctives in a timely and cost-effective manner.	nia, Croatia, Belgium, Italy, Germany and s the necessary critical mass of activities,
	ACADEMY of SOCIAL SOCIENCES Vision Andre of Marcine Control of Marcine	WITCHAI TECHNICAL Development of Athene	UNIVERSITY OF TARTU
LE REAL LE REAL DE REA	IRES	EASSH tearstrukter	<b>WINSEEC</b> Research Center
		DCU	
© î 🚥	<u>epc</u>		

Figure 5: Pro-Res Website, Partners tab.





Figure 6: Partner EPC description

INNOVATION IN RESEARCH & ENGINEERING SOLUTIONS (IRES) Beigium	$\times$
IRES	
IBSTs is an independent Beigian project management firm (SML) administering all perspheral aspects of research projects, providing specialized services in the fields of innovation management, technology transfer and international research projects. The company activities are focused on surveys and attistical analysis, passibility studies, inpact assessment, supporting research organizations and private company projects must be technologies and the optimization of products, indicatevy the company professionals base expersion in project Risk, Richs and Knowledge management, market trans assessment and Technology transfer, Beaserch in Materials Science, Development of taliored materials, Surandar and analysis, Realing and assessment and Technology transfer, Beaserch in Materials Science, Development of taliored materials, Sinomatorialis, Poesing and Bytegrafies, Development and project base, the company professionals and project base in the analysis, Realing and Regrafies and R	

Figure 7: Partner IRES description



## **3.5 TIME SCHEDULE**

Time Schedule section focuses on presenting the work plan of the PRORES project. Moreover, Work Packages (WPs) are illustrated here, indicating each WP's duration in months, the responsible WP leader and WPs interactions.

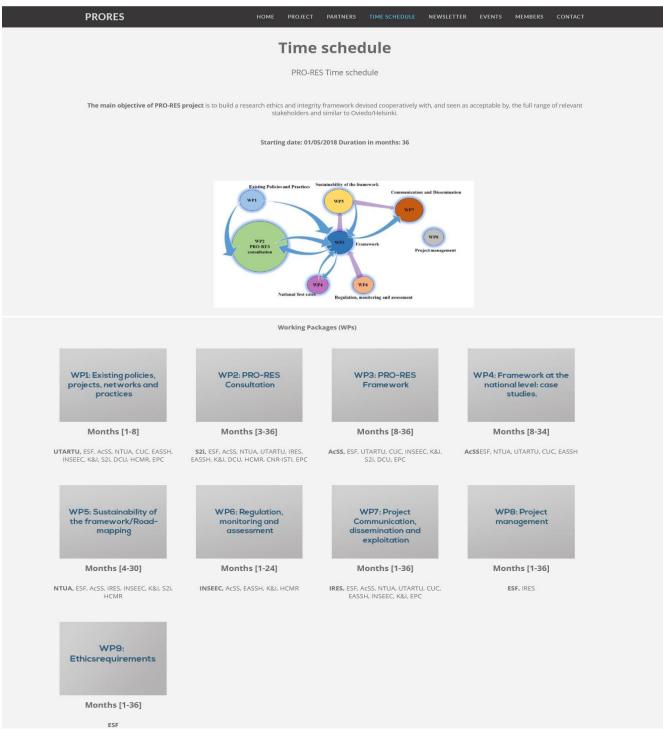


Figure 8: Pro-Res website, Time schedule tab



PRO-RES project will develop six Newsletters, which will provide information to stakeholders regarding the project's progress and goals accomplished, within a period of six months. The first of six newsletters will be submitted as a deliverable, while the remaining newsletters with a similar format, will be uploaded in the project website on Months 12, 18, 24, 30 and 36. Website responsible partners will be in contact with project partners on a monthly basis, in order to provide up to date news on the webpage and to include it, if necessary, into the Newsletters for the public.

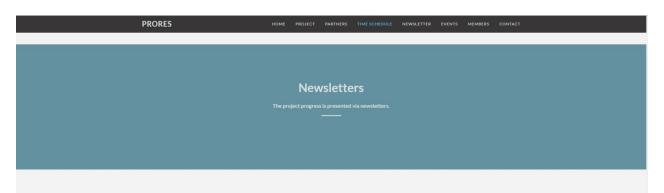


Figure 9: Pro-Res Website, Newsletters



Figure 10: Newsletters contents, Page one of the 1<sup>st</sup> Newsletter



## **3.7** Events

The project is revealed and presented to the world through meetings, conferences, publications, announcements and reports. The first event that is presented in the website is the 1<sup>st</sup> PRO-RES Workshop (Fig. 11).

<b>Events</b> The project is revealed and presented to the world through meetings, conferences, publications, announcements and reports.
PRO-RES people present their work to the world.
1st PRO-RES Workshop
High-level discussion: Research funding and ethics
13 November 2018 EPC Conference Centre, Rue du Trône 14-16, 1000 Brussels

Figure 11: Information about 1<sup>st</sup> PRO-RES Workshop

## 3.8 TEST CASES (UNDER CONSTRUCTION)

In this section some test cases of the project and the framework will be presented.

## 3.9 FORUM (UNDER CONSTRUCTION)

After an initial registration (name, mail, affiliation), stakeholders could be able to follow this online discussion site. Stakeholders can hold conversations in the form of posted messages. Users will have to register with the forum and then subsequently log in to post messages.

## 3.10 MEMBERS (UNDER CONSTRUCTION)

This page will be a private forum for the project's partners. At this stage, the pages Test Cases, Forum and Members are under construction.

## 3.11 CONTACT

Finally, in the last page of the website, information about the project responsible is available, together with a contact form.



Pr	roject Responsik	ole	
	Dr Emmanuel Detsis		
\$		c	
	edetsis@esf.org	+33 3 88 76 71 54	
Send us your question/interest			
Name	Email		
Your specific interest or question			

Figure 12: Information about Project Responsible

# CHAPTER 4: SOCIAL MEDIA

## 4.1 WEBSITE -SOCIAL MEDIA INTEGRATION

The "PRO-RES" website will be a complete interactive web portal that uses the ever-increasing social networking tools to achieve a unique highlight and showcase of the program. Using platforms like Facebook, Twitter, YouTube, LinkedIn and Wikipedia, "PRO-RES" will allow the creation of direct and personal way interface between user members and partners of project. In this way "PRO-RES" will take full advantage of social media and will aim at development of multi levels web community which would feed continuously the data base.

## 4.2 SOCIAL MEDIA STRATEGY GOALS

## **1.** Definition of existing "member" community and possibility of recruitment new "member" base.

a. In our case, partners of project will be the first member group in order to have an initial function of platform from the first steps of concept.

## 2. Plan to approach new members to the web portal.

a. Creation of the first real autonomous community of members.

# **3.** Emphasis of the name, cause, and the vision of project as a unique experiment involving social media in the science community.

a. Use of existing (partners) websites and social media accounts.

b. Use of search engine machines abilities.

#### 4. Maintenance of the community with updates, events, newsletters, photos, videos etc.

a. Using both the main page and the social networks.

5. Understanding how existing "members" are using the social media and monitor what "members" are saying about project.

a. In our case, better understanding of the multi-level interaction between platform and web.

#### 6. Integration into platform of other similar projects.

a. Increase the linking and forwarding of the page and the possibility of acquiring new members.

#### 4.3 SOCIAL MEDIA PRESENCE

#### 1. Facebook

a. Page creation.

b. Continuously consistent activity, maintenance and management.

c. Increase recognition, increase social engagement, establish online social network, searchability.

d. Metrics for Success: "Like", referrals from social networks.

#### 2. Twitter

a. Page creation.

b. Continuously consistent activity, maintenance and management.

c. Increase recognition, increase social engagement, establish online social network, searchability.

d. Followers, 2nd-order followers (follower's follower count), social capital (influence of twitter followers), Klout score, referrals.

#### 3. Youtube

a. Channel creation.

b. Continuously consistent activity, maintenance and management.

c. Increase recognition, increase engagement, establish brand.

d. Video views, video reviews, stars.

#### 4. LinkedIn

a. Account creation.

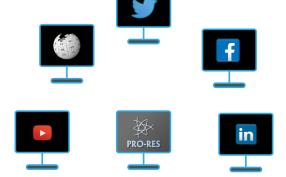
b. Continuously consistent activity, maintenance and management.

c. Increase recognition, increase engagement, establish network, establish brand, searchability, and find leads.

d. Connections, discussion participation, Klout score, referrals.

#### 5. Wikipedia

a. Page creation.







b. Continuously consistent activity, maintenance and management.

- 4.4 SHARED CONTENT FEED
- 1. Photographs
- 2. Expert Articles
- 3. Video Testimonials



# **APPENDIX**

In the following chapters, the initial plan for the website's context is presented, according to the following figure.

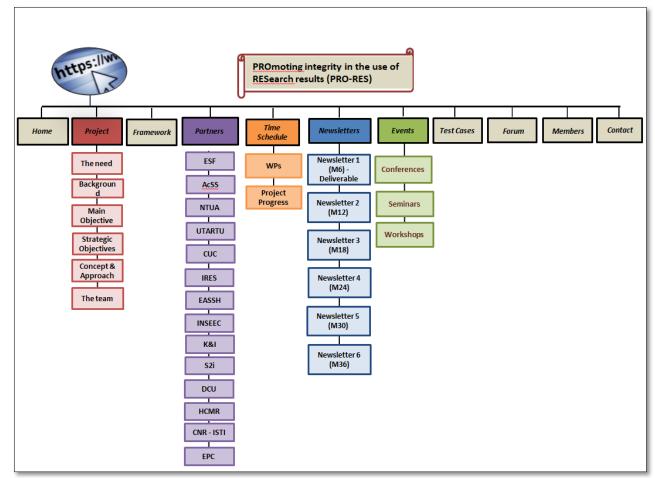


Figure 13: Plan for the website creation

## I. Home

## About the project

## PROmoting integrity in the use of RESearch results (PRO-RES)

The main objective of **PRO-RES project** is to build a research ethics and integrity framework devised cooperatively with, and seen as acceptable by, the full range of relevant stakeholders. The framework will be 'staged' starting with a simple



introductory level of 'basic principles' leading to more explanatory/background levels and ultimately more complex aids for decision-making at later stages.

Horizon 2020

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 788352.

## II. FRAMEWORK (UNDER CONSTRUCTION)

## The PRO-RES Guidance Framework for Non-medical Sciences

PRO-RES is a European Commission-funded project aiming to PROmote ethics and integrity in non-medical RESearch. PRO-RES is "FOR" research!

## III. PROJECT

**Pro-Res** project aims to produce a guidance framework regarding the Delivering Responsible Research and Innovation (RRI), which is required from researchers and research agencies, in order to balance political, institutional and professional contradictions and constraints. This framework aims to:

- cover the spectrum of non-medical sciences and
- offer practical solutions for all stakeholders, that will comply with the highest standards of research ethics and integrity.

In terms of post-2020 European strategic funding policy this offers a strong and sustainable contribution to RRI via a comprehensive ethics and integrity framework similar to Oviedo/ Helsinki which will have been constructed in negotiation with relevant stakeholders.

## <u>The need</u>

Researchers and research agencies face serious risks on Delivering Responsible Research and Innovation (RRI), in order to balance many political, institutional and professional contradictions and constraints. These are as difficult and demanding in nonmedical fields as in biomedical research. More specifically, researchers, reviewers, regulators and policymakers are tested by the diverse codes of ethical practice and regulations, by the complexities of relevant data protection legislation, by inconsistencies in the applications of regulations and by the practical professional pressures of acting in diverse non-medical research fields.

## <u>Background</u>



Valuable foundational endeavours have been accomplished in order to build a research ethics and integrity framework and many excellent codes, guidelines and frameworks already exist, but many of them have often been insufficiently acknowledged in subsequent advances. While the Call specifically seeks to emulate the Oviedo/Helsinki framework, we acknowledge the debt owed to the many existing codes and guidelines. Declarations of Helsinki for the World Medical Association (WMA) (Originally 1964 and updated most recently in 2012, 2013) are well known, but it is clear that the Declaration "…is addressed primarily to physicians".

In similar vein the European Convention on Human Rights and Biomedicine of 1997 (the "Oviedo Convention") is built upon a set of values or human rights that assumes some degree of 'universality'. The historical origins and limitations of many of these activities and their implications for regulatory policies across all research activities have been thoroughly critiqued elsewhere (see Dingwall <sup>1</sup>; M. Israel 2015<sup>2</sup>; Israel & Hay, 2006: Chapter 3<sup>3</sup>) with the main concerns being a perceived dominance of the field by biomedical ethics as mentioned earlier; but the equally important observation that ethics assessment or review built upon such bases can be obstructive and undemocratic (as expressed by Dingwall, 2006<sup>4</sup>; Hammersley, 2009<sup>5</sup>; Kilitzman, 2015<sup>6</sup>) or even add to the risks in unintended ways (Whitney and Schneider 2011<sup>7</sup>). PRO-RES will seek to incorporate the best practice findings in currently funded research and liaise with concurrent project leaders.

### Main objective

The overall goal of the PRO-RES project is to build a **research ethics and integrity framework** devised cooperatively with, and seen as acceptable by, the full range of relevant stakeholders and similar to Oviedo/Helsinki. PRO-RES will draw upon previous foundational work funded by the EC, and other national and international agencies. While linking to existing foundational work, to be durable and sustainable the outcome must also be flexible enough to meet anticipated future needs. Consequently, the framework will be 'staged' starting with a

<sup>&</sup>lt;sup>1</sup> Robert Dingwall (2008), The ethical case against ethical regulation in humanities and social science research, Twenty-First Century Society, 3:1, 1-12.

<sup>&</sup>lt;sup>2</sup> Israel M.(2015) Research Ethics and Integrity for Social Scientists: Beyond Regulatory Compliance. London: Sage. Hbk 9781446207482.

<sup>&</sup>lt;sup>3</sup> Mark Israel, Iain Hay (2006) Research Ethics for Social Scientists, Pine Forge Press.

<sup>&</sup>lt;sup>4</sup> Dingwall, R. (2006), 'An exercise in fatuity: research governance and the emasculation of HSR', Journal of Health Services Research & Policy, vol.11, no.4.

<sup>&</sup>lt;sup>5</sup> Martyn Hammersley (2009) Against the ethicists: on the evils of ethical regulation, International Journal of Social Research Methodology, 12:3, 211-225.

<sup>&</sup>lt;sup>6</sup>Kilitzman, R. L. (2015) Finding Common Ground: Consensus in Research Ethics Across the Social Sciences, 2<sup>nd</sup> ed.

<sup>7</sup> Whitney SN, Schneider CE. Viewpoint: a method to estimate the cost in lives of ethics board review of biomedical research. J Intern Med. 2011;269(4):396–402.

simple introductory level of 'basic principles' leading to more explanatory/background levels and ultimately more complex aids for decision-making at later stages.

## Strategic Objectives:

The main objective is supported by the following 7 strategic objectives:

- Identify and categorise stakeholders, guidelines and codes, across the EU area and across non-medical disciplines, to ensure that the organisation and channelling of expertise, in the context of policy advice, is well understood.
- 2. Activate and engage stakeholders across the EU and across disciplines.
- 3. Construct a normative framework for evidence based policy originating from cutting edge research responses to ethical challenges.
- 4. Understand the implications and pragmatic issues that are entailed in the implementation of such a framework at a national level and analyse the relationship between science based policy advice, responsible conduct of research and research ethics.
- 5. Ensure that the produced framework in sustainable and adaptive and can anticipate future needs that may arise from new scientific discoveries and new available technologies.
- Provide a toolbox to policy makers to monitor ethical use of research results and be able to perform impact evaluation and gauge the socio-economic impact of not conducting responsible research.
- 7. Ensure that the needs of society are well encapsulated in the framework.

## Concept and approach

As its ultimate outcome, PRO-RES will create an **Oviedo/Helsinki type framework** that could apply to the full range of non-medical sciences drawing upon previous foundational work funded by the EC, and other national and international agencies. Several specific issues related to integrity in the use of research results in evidence-based policy making which will be unpacked during the PRO-RES project. Understanding how each of these issues can be addressed is core to the work.

Better research integrity for better research  $\rightarrow$  Better research for better evidence  $\rightarrow$  Better evidence for better policy.

- Drafting the Framework: PRO-RES will work towards building a research ethics and integrity framework devised cooperatively with, and seen as acceptable by, the full range of relevant stakeholders and similar in form to Oviedo/Helsinki.
- Testing the Framework: 'Bench testing' of the framework (in vitro) will be conducted in 'thought experiments' with working groups selected from the partners.
- Finalising the Framework / Dissemination: The final framework will incorporate all the feedback from the consultation process as well as the test cases.
- Consultation process: the consortium will build up a core group of stakeholders and then enlarge it with the aim of promoting consensus and engagement with the project issues.
- PRO-RES website: an Interactive virtual platform housing a living document: The framework, backed by a series of relevant resources, will be housed on a virtual interactive platform to a range of access levels which will be practically applicable to non-medical research projects from undergraduate to high level projects by fully funded professional research agencies.
- Sustainability: of the platform and the framework needs to be taken care both from the substantive and technical point of view, for the PRO-RES framework to remain updated and in use after the end of the project.
- Providing innovative tools for the Framework: Regulation, monitoring and assessment will aim to propose, through the Framework, a series of innovative tools with the objective of constructing key indicators to promote a virtuous use of research results.

## <u>The team</u>

PRO-RES is a collaborative project built by 14 entities, coming from 10 countries (France, United Kingdom, Portugal, Greece, Estonia, Croatia, Belgium, Italy, Germany and Ireland). These complementarities allow the consortium to perform work not possible at an individual level. The project assembles the necessary critical mass of activities, expertise and resources to achieve the objectives in a timely and cost-effective manner.

## IV. PARTNERS

In this chapter, 3 partners of the PRO-RES project are presented, as an example.

## PRO-RES partners



• List of participants

#	Participant Legal Name	Country
1	FONDATION EUROPEENNE DE LA SCIENCE (ESF)	France
2	ACADEMY OF SOCIAL SCIENCES (AcSS)	United Kingdom
3	NATIONAL TECHNICAL UNIVERSITY OF ATHENS (NTUA)	Greece
4	TARTU ULIKOOL (UTARTU)	Estonia
5	HRVATSKO KATOLICKO SVEUCILISTE (CUC)	Croatia
6	INNOVATION IN RESEARCH & ENGINEERING SOLUTIONS (IRES)	Belgium
7	EUROPEAN ALLIANCE FOR THE SOCIAL SCIENCES AND THE HUMANITIES (EASSH)	France
8	INSTITUT DES HAUTES ETUDES ECONOMIQUES ET COMMERCIALES (INSEEC)	France
9	CONOSCENZA E INNOVAZIONE SOCIETA ARESPONSABILITA LIMITATA SEMPLIFICATA (K&I)	Italy
10	STEINBEIS 2I GMBH (S2i)	Germany
11	DUBLIN CITY UNIVERSITY (DCU)	Ireland
12	HELLENIC CENTRE FOR MARINE RESEARCH (HCMR)	Greece
13	CONSIGLIO NAZIONALE DELLE RICERCHE (CNR-ISTI)	Italy
14	EUROPEAN POLICY CENTRE (EPC)	Belgium

Table 1: List of Participants

## 1 FONDATION EUROPEENNE DE LA SCIENCE (ESF)



ESF (http://www.esf.org/) was established in 1974 to create a common European platform for cross-border collaborative research cooperation and to act as a coordinating body for Europe's main research funding and performing organisations. In its 42 years of experience, ESF has

supported over 2,000 programmes and networks, gathering more than 300,000 scientists from 186 countries, through funding from 80 Member Organisations in 30 countries.

2 ACADEMY OF SOCIAL SCIENCES (AcSS)



ACADEMY The Academy of Social Sciences The National Academy of Academics, Learned Societies and of SOCIAL SCIENCES Practitioners in the Social Sciences (https://www.acss.org.uk/) is the national academy of academics, learned societies and practitioners in the social sciences. Its mission is to be the voice of social science in the United Kingdom for the public benefit. It was founded in 1999 and is composed of nearly 1200 individual Fellows, 43 Learned Societies, and a number of affiliate members, together representing nearly 90,000 social scientists. Fellows are distinguished scholars and practitioners from academia and the public and private sectors. The majority are based in the UK, but some are overseas, mostly in Europe, Australia and North America. Most Learned Societies in the social sciences in the UK, plus one European one, are also in membership. The Academy is not in receipt of public funding, so it is able to speak and act independently.

## 3 NATIONAL TECHNICAL UNIVERSITY OF ATHENS (NTUA)



The National Technical University (NTUA) - www.ntua.gr/en/- is the oldest and most prestigious educational institution of Greece in the field of technology,

and has contributed unceasingly to the country's scientific, technical and economic development since its foundation in 1836. NTUA is divided into nine academic Schools, eight being for the engineering sciences, including architecture, and one for the applied sciences (mathematics and physics). Additionally, 20 Interdisciplinary Postgraduate Courses are active at NTUA. Currently, 23914 undergraduate and 1500 graduate students are studying in NTUA, at 5-years curriculum. NTUA employs 512 faculty members, 150 laboratory personnel, 260 administrative staff.

## V. TIME SCHEDULE <u>PRO-RES Time schedule</u>

The main objective of PRO-RES project is to build a **research ethics and integrity framework** devised cooperatively with, and seen as acceptable by, the full range of relevant stakeholders and similar to Oviedo/Helsinki.

*Starting date: 01/05/2018* 

Duration in months: 36

## <u>Work Packages (WPs)</u>



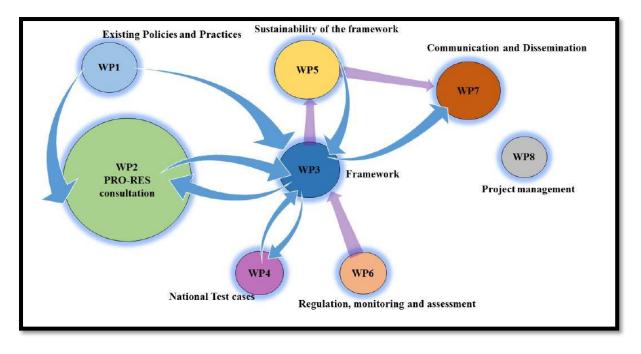


Figure 14: Work Packages

WP1: Existing policies, projects, networks and practices

Months [1-8]. **UTARTU**, ESF, AcSS, NTUA, CUC, EASSH, INSEEC, K&I, S2i, DCU, HCMR, EPC

WP2: PRO-RES Consultation

Months [3-36]. **S2i**, ESF, AcSS, NTUA, UTARTU, IRES, EASSH, K&I, DCU, HCMR, CNR-ISTI, EPC

WP3: PRO-RES Framework

Months [8-36]. AcSS, ESF, UTARTU, CUC, INSEEC, K&I, S2i, DCU, EPC

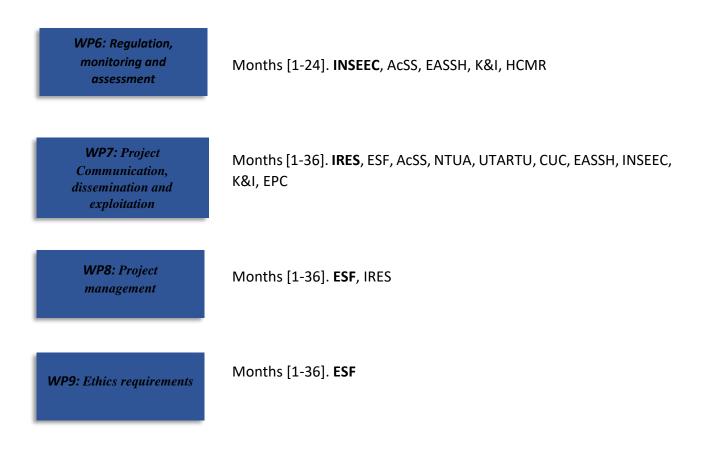
WP4: Framework at the national level: case studies.

Months [8-34]. AcSS, ESF, NTUA, UTARTU, CUC, EASSH

WP5: Sustainability of the framework/Roadmapping

Months [4-30]. NTUA, ESF, AcSS, IRES, INSEEC, K&I, S2i, HCMR





## VI. NEWSLETTERS

PRO-RES newsletter. The project progress is presented via newsletters generated every 6 months, publicly available (through subscription).

## VII. Events

PRO-RES Events. The project is revealed and presented to the world through meetings, conferences, publications, announcements and reports. PRO-RES people present their work to the world.



## Figure 15: 1st PRO-RES Workshop



## VIII. TEST CASES

In this section some test cases of the project and the framework will be presented.

## IX. FORUM

After an initial registration (name, mail, affiliation), stakeholders could be able to follow this online discussion site. Stakeholders can hold conversations in the form of posted messages. Users will have to register with the forum and then subsequently log in to post messages.

## X. MEMBERS

This page will be a private forum for the project's partners.

At this stage, the pages Test Cases, Forum and Members are constructed and are under completion.

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# **CONCLUSIONS**

The address homing PRO-RES electronic content is <u>http://prores-project.eu/</u>. Also, two secondary addresses are: <u>http://prores-h2020.eu</u> and <u>http://prores-project.com</u>. The website content is informative, so the wide audience can get the useful and up-to-date information. The website provides information about the project and will be regularly updated with results, findings and achievements. Using the advanced technology makes the website secure and easy to maintenance. Popularity of the website will be increased through active links while website recognition will also be achieved within the stakeholder network of national relays.

The Website serves as both a dissemination tool and a project management tool and therefore consists of corresponding public and private areas. The public area promotes the project, allows the dissemination of non-confidential results and allows the public to contact the coordinator. The private area, accessible via individual login, includes confidential and project management documents and helps the partners to share information and communicate more effectively.