EPI - European Processor Initiative

Dissemination and Communication Plan

DELIVERABLE D24.1

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http://www.european-processor-initiative.eu/

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Table of contents

Table of Figures

List of Tables

Executive Summary

This document outlines the planning of the dissemination and communication activities to be carried out by the project consortium in order to effectively manage EPI's visibility, raise awareness of EPI's activities, share EPI's project results and link them to EPI's Exploitation Plan.

EPI's initial analysis of dissemination and communication goals is given, strategic plans to address those goals is presented together with implementation measures. Initial mission, vision and key messages are worded that all partners will promote and convey through described communication channels.

The Plan tackles two main aspects at hand – dissemination and communication, though recognizing the overlap and cross-cutting measures that arise from planning such activities.

Dissemination measures focus on promoting take-up and use of results through usage of all available channels for promotion.

Communication measures aim to enhance visibility of all EPI activities, its presence at various events, its contribution to European policies and consequent development and progress of European industrial endeavors in HPC. Internal communication among EPI consortium members is also briefly listed, while detailed procedures are described in D22.1 Project Handbook, and rules for its efficient implementation set out – in order not to hinder any project developments.

Keywords

Dissemination, Communication, Key messages, Project results, Events, Journals, Channels of communication, Mission, Vision, Visibility

Abbreviations

AD – Autonomous Driving

BSC – Barcelona Supercomputing Centre

CA - Consortium Agreement

CORDIS - The Community Research and Development Information Service

CPU – central processing unit

DG RTD EC – Directorate-General for Research and Innovation in the European Commission

DOA - Description of Action (Technical Annex or Annex I to the Grant Agreement)

GA - Grant Agreement

EC - European Commission

EPI – European Processor Initiative

EPI SGA1 – European Processor Initiative Specific Grant Agreement 1

EU - European Union

EuroHPC JU – European High-performance Computing Joint Undertaking

F2F – Face to Face

FPA – Framework Partnership Agreement

HPC – High-performance Computing

IP – Intellectual Property

KPI – Key Performance Indicators

OA – Open Access

Project Partner - Partner Institution, also referred to as Beneficiary and Party to the Consortium Agreement, or Consortium Partner

PO - Project Officer (EC supervisor of the Grant Agreement)

SC - Steering Committee

SGA1 – Specific Grant Agreement 1

SLs - Stream Leaders

SoA – State of the art

UNIZG-FER – University of Zagreb (Faculty of Electrical Engineering and Computing)

WG – Working Group

WP - Work Package (followed by a number)

1 Introduction

The Dissemination and Communication Plan's main purpose is to describe the strategy and general timeline to facilitate creating awareness about the concepts, technologies and products developed throughout the duration of the EPI project. This Plan identifies the main dissemination activities and communication channels, together with measures, messages and plans of monitoring KPI fulfilment. The strategy set out here is based on the project proposal plan and Specific Grant Agreement (EPI SGA1) detailed at the kick-off meeting of the project held in December 2018. This deliverable provides a description of the strategy adopted by the EPI consortium to ensure successful dissemination of the outcomes of the project.

This document will be updated at least annually and when additional key information becomes available. It will, as EPI progresses, provide more details for activities planned in the following years. The main principles of dissemination and communication as set out in the definitions of the European Commission will be respected and detailed in this plan:

communication – from the start of the project – shall be coordinated beforehand so that all project partners carry the same message; it shall be continuous, creative and encourage dialogue, and its efforts shall be active and outreaching in nature

while the **dissemination** activities will be coordinated among all project partners to achieve the best visibility of project results through means defined in this Plan.

Two main aspects of these activities, which can overlap substantially, are:

- Creation and maintenance of the awareness of the project
- Dissemination of project results

Although it is a separate activity and not part of the Dissemination and Communication Plan, the activities related to exploitation of results are inextricably linked to dissemination and communication.

Creation and maintenance of the awareness of the project: The main aim of this activity is to make the targeted community, as well as the public, aware of the project. Communities targeted by EPI include the scientific community and industrial entities, while simultaneously communication efforts should be directed at achieving recognizability for EPI work and achievements with the wider public. The central communication tool will be the website. Additional means of communicating EPI work, other than various social media channels, will include preparing and designing materials such as posters, flyers and other hand-out materials. An important aspect of this activity is also creation and continuous update of the Press/Media kit to enable wider press coverage with key messages on the project. The means and methods to create and maintain awareness for the project will be updated during the project, ensuring continuity of presentation and project progress announcements.

The dissemination of the results of this project is planned through continuous activities like organizing workshops, schools, events, participating at events and publishing in journals and magazines. This will enable sharing outcomes of EPI research and achievements with the wider community, including industry, while at the same time receiving feedback from relevant stakeholders.

Specific objectives of EPI projects dissemination and communication activities, in accordance with the EPI SGA1, can be summarized as follows:

- To build and maintain awareness of the project;
- To consolidate the relationships between the project and specific target audiences (industry, scientists and the public);
- To stimulate the demand of the new technological solutions developed within the EPI;
- To ensure the collaboration with related industry from HPC, automotive especially the new trend in terms of autonomous vehicles and other related markets.
- To support the exploitation of project outputs by consolidating project visibility among stakeholders at EU level and globally;
- To establish bridges at EU level between the HPC world, automotive world and other future exploitation worlds
- To attract investors for the productization of solutions based on the EPI processor

The overall reach and activities of EPI are not isolated: they are immersed in a context of a wider European Union strategy related to HPC and its developmental plans.

The EPI project will align its goals and monitor policy outputs from the EuroHPC Joint Undertaking – a European Union initiative set up to pool European resources to develop top-of-the-range exascale supercomputers for processing big data, based on competitive European technology.

The EPI is part of a broader strategy to develop an independent European HPC ecosystem based on domestic and innovative technologies as presented in the EuroHPC Joint Undertaking, a legal and funding entity which will enable pooling of the Union's and national resources on High-Performance Computing to acquire, build and deploy in Europe the most powerful supercomputers of the world.

Naturally, this means all of EPI's dissemination and communication efforts will be aligned with EuroHPC JU activities and EPI will be present in European Commission activities depending on the schedule of planned events and availability.

2 Strategies

The analysis of EPI activities clearly defines several project time-related phases that we identify as background for DC strategy planning:

- Initial phase: project activities have been started but no results can be expected
- Mid phase: project has reached formidable research phase, some preliminary results are available, roadmaps are more defined, preparations for implementation are under way
- Final phase: EPI SGA1 results are becoming available, samples available, evaluations of results are under way

Another important aspect of EPI is clear recognition of differences of the two initial EPI market segments, namely:

- exascale HPC and
- automotive HPC

The distinguishing aspect of EPI project is that it is focused towards industry results. This aspect is crucial in definition and planning of DC strategies. Critical project results and key internal activities shall be kept confidential to guarantee the protection of European competitiveness in general and the partners' IP and commercial interests.

Based on all the above, we have identified three project phases with related dissemination and communication strategies:

2.1 Phase 1: building awareness

During the initial phase, DC activities will be planned with the goal of raising the Awareness and Understanding of EPI activities addressing both HPC and automotive domains. This strategy includes activities that clearly describe the reasoning for inclusion of automotive domain in the HPC low power processor developments and the design and business principles behind this.

2.2 Phase 2: establishing collaborations, stimulating take-up of results

During the second project phase, when preliminary results start becoming available, we will adapt and refocus and expand to industry-/research-targeted events where we promote preliminary results, stimulate the demand of the new technological solutions being developed within the EPI and initiate collaboration with related industry from HPC and automotive (with a focus on autonomous vehicles) and other related markets.

2.3 Phase 3: consolidate relationships, support exploitation, set stage for future work

Finally, in the last phase of the project, the strategy will focus on support of the exploitation of project outputs in HPC and eHPC automotive domains, consolidation of the relationships between the project

and specific target audiences (industry, scientists and the public) and introduction of the next phases of the project.

2.4 Key messages

Below are some initial EPI key messages that will be communicated throughout the project duration as well as targeted messages for key groups of audiences for EPI.

2.4.1 Mission

- European independence in High Performance Computing Processor Technologies
- EU exascale machine based on EU processor by 2023
- Based on solid, long-term economic model, beyond HPC market
- Address the needs of European industry (car manufacturing market)

2.4.2 Vision

- High Performance Computing needs for exascale machines beyond 2022
- Connected mobility & AD Autonomous Driving computing needs beyond 2023
- Low power CPU needs for Servers and Cloud
- Other markets under exploration (Server and Cloud)

2.4.3 Impact

- Strengthening the competitiveness and leadership of European industry and science
- European microprocessor technology with drastically better performance/power ratios
- Tackling important segments of broader and/or emerging HPC, AI and Big-Data markets

2.4.4 Additional key messages

- EU at the forefront of HPC research
- Collaboration with EPI is an enabler for future scientific exploration
- EPI is contributing to new technology ecosystems by providing new architectural solutions
- EPI is contributing to new technology ecosystems by providing efficient programming approach
- EPI results help other scientists and industry provide better solutions to societal challenges
- EPI's solutions bring a better product for the overall competitiveness of European industries
- EPI Co-design ensures that the applications required for the competitiveness of the vertical industry are well tuned for the system
- European industries will leverage EPI to bring to the market competitive products and solutions
- Designed-in-Europe technology will help avoid problems with licensing and protectionism
- EPI can contribute to policy makers with its members expertise and liaise
- EPI will contribute to European technological sovereignty
- EPI gives Europe a chance to get ahead in the HPC race by strengthening alternative technology options
- Be part of the first designed-in-Europe HPC processors
- EPI creates the way for young scientists/engineers to pick up from where EPI's SGA1/2 arrive.
- Curricula with EPI results provides competitive knowledge for the future
- Collaboration with EPI enables pooling of various resources.

- Collaboration with EPI achieves better visibility to all included.
- Collaboration with EPI provides pathways to more users.
- EPI will help Europe take a place at the top table of HPC
- European industry, economy and society will benefit from EPI

In addition to the above general messages, technology specific messages will be designed at appropriate times during project execution based on results obtained and current status of the global market. Special market-oriented analysis will be continuous to be able to address SoA and adapt DC strategies accordingly. Messages breakdown per target audience with value propositions are shown in Table 3.

3 Implementation

Different dissemination/communication vehicles have been selected for maximum effectiveness, depending on the target audience and the channel used.

In that regard, the dissemination and communication strategies will include the following approaches:

- **Dissemination/Communication for Awareness of project results:** The main objective is raising awareness of project results by promoting the project, communicating its vision and presenting results achieved. Proper management of communication flows is essential.
- **Dissemination/Communication for Understanding:** The objective is to contribute to knowledge and understanding by publishing the project results to selected target audiences within the international industry, academic and general public communities.
- **Dissemination/Communication for Action:** Aiming to stimulate interactions with external stakeholders and policy makers during the project. External stakeholders can provide relevant support for EPI project.

The Dissemination and Communication modus operandi was defined in detail and is included as a part of the D22.1 Project Handbook. Guidelines, templates, tips and other procedural/helpful communication and dissemination materials (e.g. Guide for web writing, Guideline to publication, templates for content creation, procedures for Open Access policy, acknowledgment to H2020 funding, etc.) are stored in the project's How-To Wiki section of the data-sharing repository, available to all partners.

For the implementation of earlier defined DC strategies, we have identified several sets of vehicles that we summarize in this section.

3.1 Implementation vehicles

3.1.1 Strategic events

3.1.1.1 EPI Forum/Conference

The EPI Forum/Conference will be EPI's premier annual communication event. It will be fully organized by EPI and will be focused to make holistic awareness of EPI strategic activities, results, goals and future roadmap. The EPI Forum/Conference will try to include policy makers, key partners of the EPI ecosystem, key potential customers, key researchers, global press/media.

The first EPI Forum/Conference is planned for March 2020.

3.1.1.2 Other key global events

As an implementation vehicle for all above mentioned three strategies we have identified strategic global events, listed in Table 1, where we intend to have significant EPI presence such as booths, keynotes and invited talks. The Table encompasses key events as defined by EPI consortium partners

at the moment of the publication of this Deliverable. The EPI plan is to have booths and/or organize keynotes, invited talks at those events. This list is by no means closed and fixed – its purpose is to reflect the best possible venues and events for EPI to announce and disseminate its project result. The list is meant to be updated, rethought and modified continuously in order to better encompass all other aspects of dissemination and communication and exploit opportunities that may present themselves during the project's life. Consortium partners are mandated to inform WP24 Leader and WP24 Working Group about all the relevant events they are considering.

Table 1 List of key events

Event	Plan/timing
EPI Forum/Conference	Each year
SC conference	Each year
ISC conference	Each year
EuroHPC Summit Week	Each year
Supercomputing Asia	Each year
EFECS conference	Each year
RISC-V summit/workshop	Each year
HiPEAC conference	Each year
DATE Conference and Exhibition	Each year
CES	Each year
EuroHPC JU event (when defined)	Each year
SAE Automotive Europe (large number of events, TBD)	Each year
Vehicle Electronics Conference	Each year
Teratec forum	Each year
R-CCS International symposium Japan	Each year
International High-Performance Computing Forum, China	Every two years
EPI training	Each year

3.1.2 Key scientific/industry journals

To support the implementation of strategies for the second and third period we have identified some key journals with high impact factors where we will encourage submissions presenting EPI results. As with the List of Events, the List of Journals is not fixed and will be updated and changed with inputs by all consortium partners, who are, in turn, obligated to inform WP24 Leader and WP24 Working Group about every publication they intend to publish in.

Table 2 List of journals

Journal Name	Impact Factor
IEEE Transactions on Computers	3.052
ACM Transactions on Architecture and Code Optimization	1.131
IEEE Micro	1.913
IEEE Transactions on VLSI Systems	1.744
IEEE Transactions on Computer Aided Design	2.089
IEEE Computer	1.94

Communications of the ACM	3.063
IEEE Transactions on Multimedia	3.977
IEEE Computer Architecture Letters	1.521
ACM Journal on Emerging Technologies in Computing Systems	1.672
ACM Transactions on Reconfigurable Technology and Systems (TRETS)	1.014
IEEE Transactions on Parallel and Distributed Systems	3.971
Future Generation Computer Systems	4.639
IEEE Computer Architecture Letters	1.521
IEEE Transactions on Signal Processing (TSP)	4.203
Journal of Systems Architecture	0.913
IEEE Vehicular Technology Magazine	6.038
IEEE Transactions Industrial Informatics	5.430

In addition to those, we will continuously plan publications in other selected journals.

3.1.3 Visual identity – Logo and Templates

The development of a visual identity and a project logo ensures project outputs are consistent and easily recognizable. EPI logo is and will be consistently used in all project documents and communication materials. It is accompanied by a book of standards to facilitate the consistent usage.

Figure 1 EPI project logo

Figure 2 EPI PPT template

Usage of the logo should be introduced into all channels of communication in addition to materials, including all platforms, EPI website and any form of written/online communication, to ensure visual branding of the project and develop a coherent complement to EPI's communications that would ensure recognizability in the future.

3.1.4 EPI Website

The public project website is located at http://www.european-processor-initiative.eu.

The website represents key channel for communication of project's activities and dissemination of results. EPI consortium members will all participate with regards to contents of the web. EPI website structure covers major streams of operation, general information on the project, consortium members, dissemination and communication repository, press/media kit repository and news&events section.

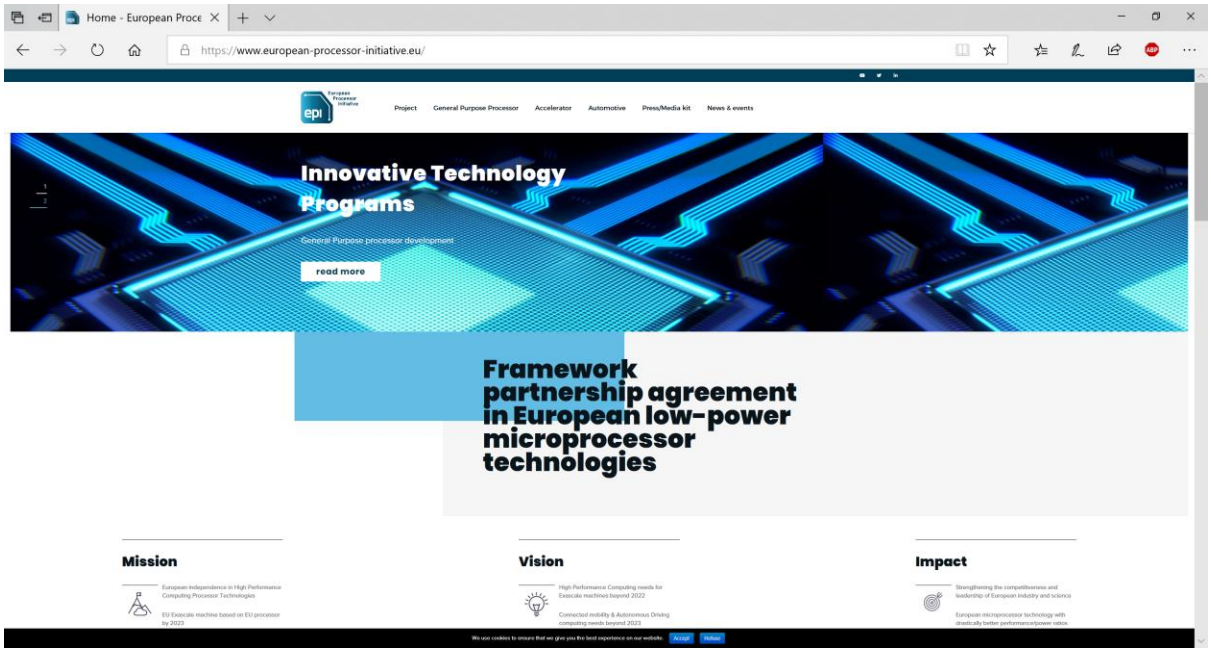

Figure 3 EPI WEB

Other project communication tools will refer to the website and other social channels whenever possible, to ensure that the public visits those often and gets used to it as a concise and trustworthy source of information on various EPI breakthroughs and results. Conversely, the EPI website incorporates social media posts from EPI's accounts, to help boost visibility of those channels through the website. EPI's website will also use its platform to link and signpost to other EU initiatives. EPI consortium partners are encouraged to link to the website whenever appropriate, at their own respective online channels.

3.1.5 Twitter

The EPI project Twitter account (https://twitter.com/EUProcessor) is used to inform the broader community about both technical and social information related to EPI. Extensive use of Twitter will be continued, as it serves as an efficient communication channel with the general public as well as with scientific and industrial communities. Through active Twitter engagement over the course of the project, the EPI project will build a network of followers.

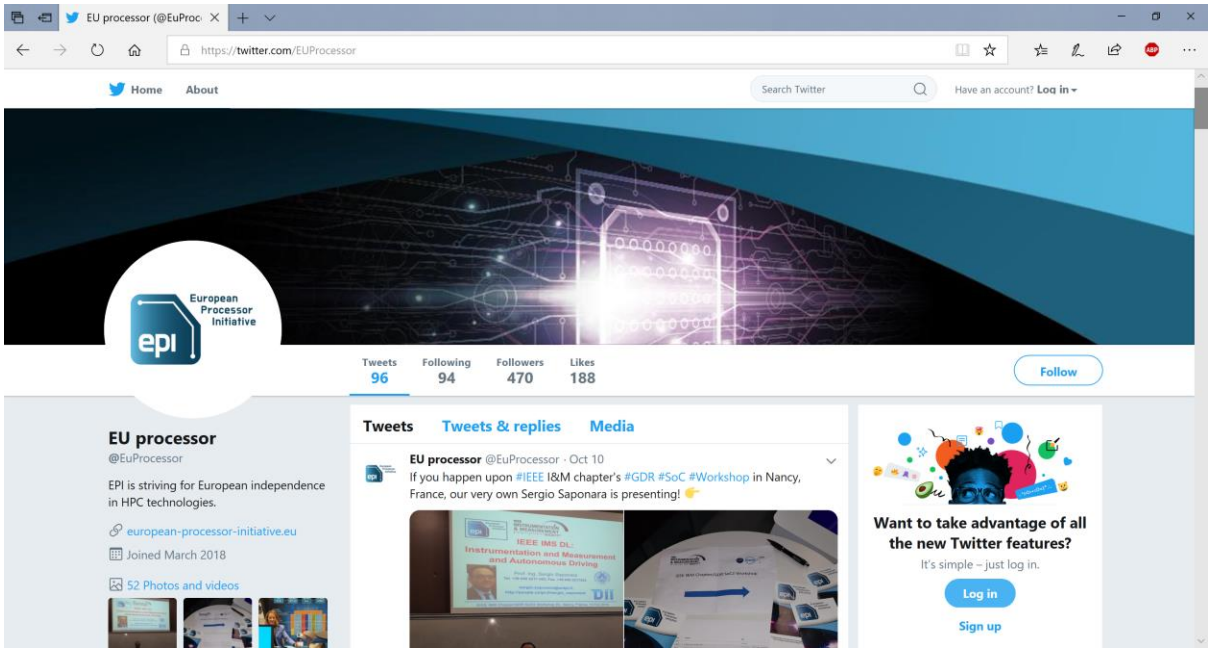

Figure 4 EPI Twitter

Hashtags to be used should reflect the various scientific and industrial interests EPI has, as well as links to EC and EU policies. Links and tags will be made to other relevant projects as appropriate, as well as influencers, in order to boost visibility and engagement.

3.1.6 LinkedIn

LinkedIn provides the opportunity to network, discuss and engage with other interested stakeholders. EPI will engage with some of the already established networks and will use the platform to connect to relevant stakeholders in all fields relevant to EPI. EPI's page is available at: https://www.linkedin.com/company/european-processor-initiative/.

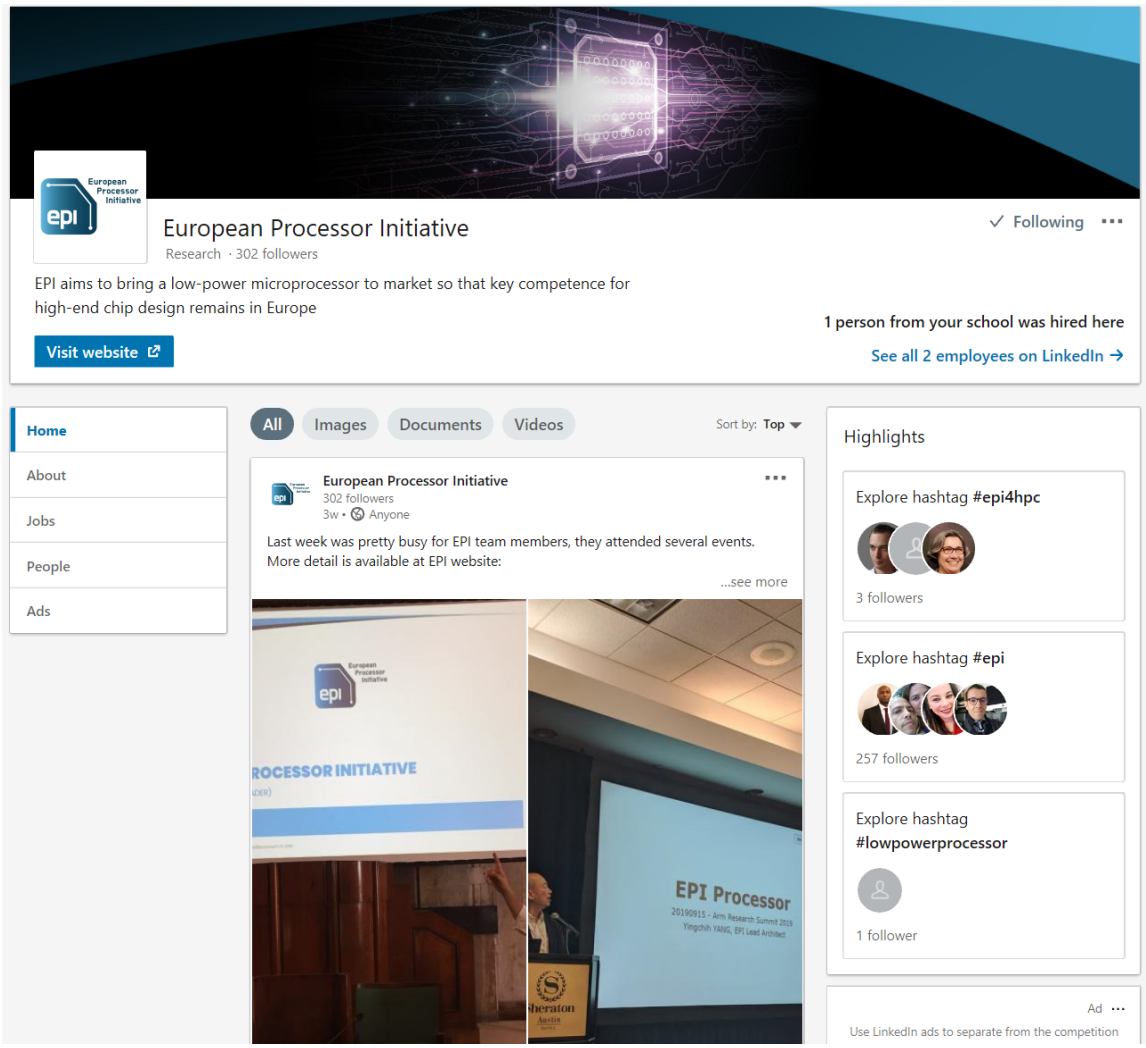

Figure 5 EPI LinkedIn

The content planned for LinkedIn is informative in nature: EPI participation in events, EPI events, EPI trainings, news related to HPC and other domains of interest to EPI consortium members.

3.1.7 YouTube

YouTube platform will serve as an audio-visual repository for EPI videos and other AV materials. EPI's YouTube channel is available at:
https://www.youtube.com/channel/UCGvQcTosJdWhd013SHnIbpA/featured

The channel will be in line with other platforms, used and embedded if necessary, in the website's press content page.

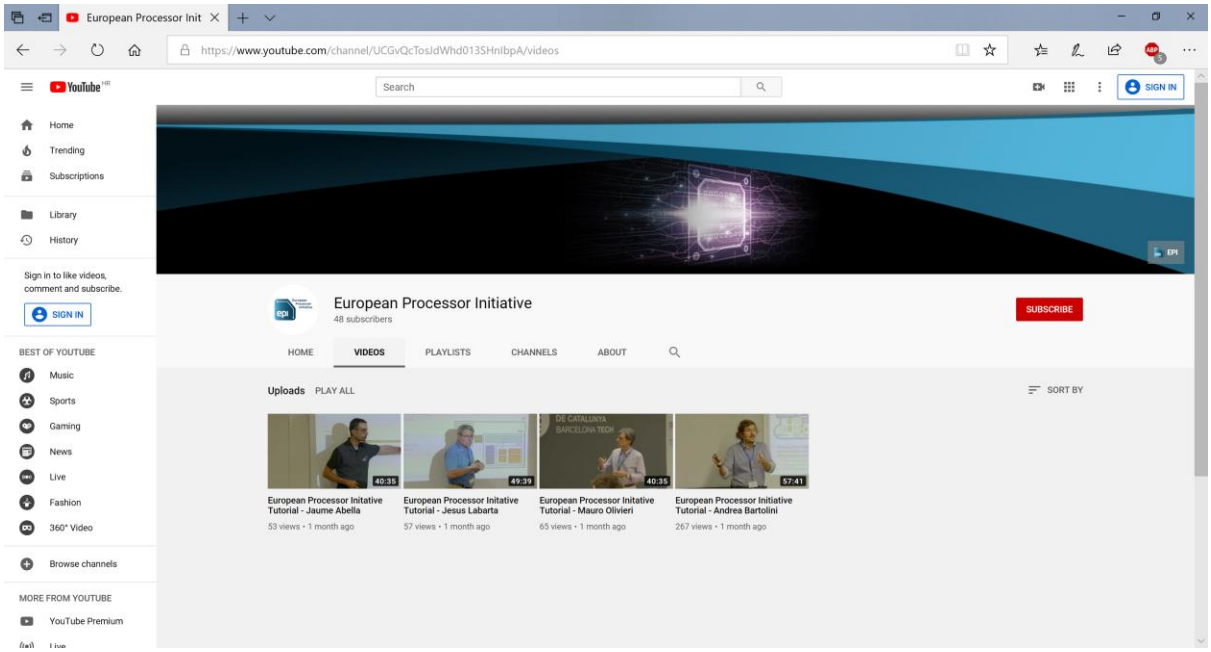

Figure 6 EPI YouTube

Videos from EPI members' presentations at conferences/events (invited talks), interviews, tutorials, etc. will be published on the channel, either linked from other channels, or uploaded as EPI content.

EPI will also link to other available EPI related video content respecting its usage terms.

3.1.8 Press/Media kit

The importance of press and media in promotion and coverage of EPI activities is recognized and appropriate activities are planned to provide continuous support to journalists and representatives of the media.

EPI prepared and will periodically update a digital, both packaged and individual, key information set referred to as Electronic Press Kit (EPK). The EPK is provided under the special "Press/Media kit" top-level tab on the EPI Web, so that it can be easily found and effortlessly accessed.

The EPK contains (the list can be extended in the future):

- List and basic reference of all EPI partners
- Executive Bios
- EPI backgrounder
- Quote sheet
- Issued Press releases and key Announcements
- Set of EPI Fact sheets
- Set of digital artwork (flyers, posters, roll-ups, timeline, logo & logo usage terms)
- Pointer to website repository and how to easily access all previous press coverage
- List of EPI contacts for any further inquiry

3.1.9 Communication Materials

Consortium members will make use of the EPI website dissemination and communication document repository as the reference source for digital content on EPI that can be downloaded by interested public.

Such content includes and will include:

- Scientific and Industry Papers
- Presentations
- Technical publications (References/Manuals/product briefs/White papers)
- Images
- List and basic reference of all EPI partners
- Executive Bios
- EPI backgrounder
- Quote sheet
- Public deliverables
- Issued Press releases and key Announcements
- Set of EPI Fact sheets
- Set of digital artwork (flyers, posters, roll-ups, timeline, logo & logo usage terms)
- Other relevant material

3.1.10 Dissemination – Open Access Rules

The EPI consortium has defined rules for dissemination and those are set forth in the FPA, EPI SGA1 and with special rules set in the Consortium Agreement of EPI project.

Critical project results shall be kept confidential to guarantee the protection of European competitiveness in general and the partners' IP and commercial interests.

The EPI consortium supports Open Access and will strive for open access in all publications, following the EC DG RTD Guidelines to the Rules on Open Access to Scientific Publications and Open Access to Research Data in Horizon 2020 (**http://ec.europa.eu/research/participants/docs/h2020-funding-guide/cross-cutting-issues/open-access-data-management/open-access_en.htm**.)

The EPI consortium will use a mixture of the "gold" and "green" open access models. Each corresponding author or lead author is responsible for ensuring Open Access policies are followed and free link to published material is provided. In cases where the journal only allows for the "green" access model or when the "green" access model was chosen for preferred publication costs, the researchers themselves will be responsible for self-archiving their articles, using their own repositories. The EPI website will list all the publications related to results achieved in EPI, linking to corresponding repositories. Guideline for Publication for partners has been created and is available in the data sharing repository.

3.1.11 Acknowledgement of EU Funding

All dissemination and communication activities must acknowledge H2020 funding by quoting:

"This project has received funding from the European Union's Horizon 2020 research and innovation programmer under grant agreement No 826647"

This quote should be accompanied with the EU flag (if graphical content is applicable).

3.1.12 EPI trainings

EPI project's dissemination activities will include trainings, which should help researchers, industrial engineers and experts to better understand the EPI technology, ecosystem, co-design approach and to be able to use the computing infrastructure powered by EPI's components faster.

EPI training activities are closely matched with EuroHPC JU activities with the aim of maximizing existing European HPC knowledge and expertise across Europe and an outreach approach for identifying and attracting SMEs whose innovation potential and competitiveness could be increased as users of advanced HPC services and technologies.

Some of the envisioned topics include:

- RHEA/CRONOS Processor families
- EPI ARM, EPAC, MPPA, eFPGA, …
- Co-design approach and methodologies
- Programming models (heterogeneous processors – joint programming models for all cores in the system)
- Granting access to the simulators to perform what-if analysis and related trade-off of the different architectural solutions
- Teaching on how to design an exascale system and the programming techniques to exploit its features
- Integration of EPI processor for OEMs

EPI is also considering specialized hands-on trainings (e.g. at the partners' locations). This would enable in-depth coverage of topics while allowing trainees to network with onsite experts. It would also enable better control of confidential information if necessary and reduce costs to the EPI organizing entity.

3.2 Planned activities

Based on the above defined implementation vehicles and key messages the below table gives basic planned activities.

Table 3 List of planned activities

Target audience	Key messages	EPI offers	Dissemination/Communication vehicle
Scientific community	**EU is at the forefront of HPC research**	New scientific results	Journal and conference papers
Scientific and Industrial community	**Collaboration with EPI is an enabler for future scientific exploration**	Technology platform for future research	Journal and conference papers, meetings, events, info days
Industry and scientific community	**EPI is contributing to new technology ecosystems by providing new architectural solutions**	New technology ecosystem	Journal and conference papers, meetings, events, info days
Application designers in industry and scientific community	**EPI is contributing to new technology ecosystems by providing efficient programming approach**	Simplification of applications programming for future EPI based systems	Journal and conference papers, meetings, events, info days
Industry and scientific community	**EPI results help other scientists and industry provide better solutions to societal challenges**	Scientific contribution to help addressing major societal challenges	Journal and conference papers, meetings, events, info days
HPC related industry	**EPI's solutions bring a better product for the overall competitiveness of European industries**	EPI will provide a competitive HPC platform and data processing solutions at world class level.	Social media, website, industrial press releases, technical manuals, product briefs, papers.
	EPI Co-design ensures that the applications required for the competitiveness of the vertical industry are well tuned for the system	Through a co-design approach, EPI will design and develop the first European HPC systems-on-chip and accelerators.	Social media, website, industrial press releases, technical manuals, product briefs, papers.

	European industries will leverage EPI to bring to the market competitive products and solutions	EPI platform will be suitable for product roadmaps of European industry.	Social media, website, industrial press releases, technical manuals, product briefs, papers.
Industry and policy makers	**Designed-in-Europe technology will help avoid problems with protectionism**	More control over technology IP	Website, f2f communication, round tables, white papers, specialized papers, TV, interviews
Policy makers	**EPI can contribute to policy makers with its members expertise and liaise**	Expertise in relevant fields, of interest to policy makers and funding agencies when considering strategic and funding agendas	Website, f2f communication, round tables, white papers, specialized papers, TV, interviews
EU citizens	**EPI will contribute to European technological sovereignty**	EPI provides some key technology for European industry	Website, f2f communication, round tables, white papers, specialized papers, TV, interviews
EU citizens	**EPI gives Europe a chance to get ahead in the HPC race by strengthening alternative technology options**	EPI provides Europe high-tech needed to become leader in HPC	Website, f2f communication, round tables, white papers, specialized papers, TV, interviews
Students and young professionals	**Be part of the first designed-in-Europe HPC processors**	Hands-on approach on EPI technologies.	Trainings
	EPI creates the way for young scientists/engineers to use EPI results.	Granting access to the simulators to perform complex SW and HW analyses. Establishing long-term support for the EPI in the in the developer community of the future.	Trainings, scientific papers, events
	EPI creates the way for young scientists/engineers to use EPI results.	Teaching on how to design an exascale system and the	Trainings, scientific papers, events

		programming techniques to exploit its features.	
	Curricula with EPI results provides competitive knowledge for the future	Education of next-generation HPC research community	Trainings, scientific papers, events
Other EU projects	**Collaboration with EPI enables pooling of various resources.**	EPI has 27 partners with vast competences in both scientific and industrial fields, including infrastructure.	Meetings, events, info days, website, social media.
	Collaboration with EPI achieves better visibility to all included.	Collaborating to maximize the value of EU projects.	Meetings, events, info days, website, social media.
	Collaboration with EPI provides pathways to more users.	Signposting and creating pathways to specialized community of users.	Meetings, events, info days, website, social media.
Wider public	**EPI will help Europe take a place at the top table of HPC**	Scientific and industrial breakthrough in pre-exascale and exascale systems	Website, social media, TV and press appearances.
	European industry, economy and society will benefit from EPI	New developments and highly skilled jobs for European professionals	Website, social media, TV and press appearances.
	European industry, economy and society will benefit from EPI	European technology developed and utilized in Europe – closing the circle in the EU.	Website, social media, TV and press appearances.

4 Monitoring KPIs and Reporting

4.1 KPIs

As a part of internal project monitoring, we will also continuously monitor and periodically report selected KPIs:

- Workshops/special sessions as part of large scientific conferences and gatherings
- Open access dissemination activities
- EPI Forum/Conference
- Visits by the EPI ambassador and EPI consortium with national decision makers
- EPI themed information stands in tradeshows
- Training events/summer schools/workshops/coding competitions on technologies related to EPI
- Social/Media Engagements
- Industry communication

The WP24 Leader and WP24 Working Group will collect reports from partners on activities done and monitor the execution tempo and timeline for alignment with the KPIs set. Deliverables 24.2, 24.3 and 24.4 and the end of each year of the project will compile all the data related to execution of dissemination and communication activities.

Table 4 KPI reporting and monitoring

KPI Group	Goals set
Social Media	
Twitter	150 post/tweets
Website	5000 visitors
Articles in national/international press	30 articles
Interviews/segments on video/TV Scientific publications	10 interviews
Industry communication	
Industry Press release/technical papers	50 papers
EPI targeted dissemination event	
Info events targeting HPC providers	At least 2
Scientific Dissemination	
Published peer-reviewed journal papers	At least 20
Published Conference/Workshop papers	At least 50
Design/coding competitions	
EPI design/coding calls	At least 2
Students from different countries	At least 10
Workshops at large scientific conferences	
Workshops	At least 2

Geographical coverage of events	At least 4 countries
OA dissemination over EPI web	
Access to OA material	At least 500
EPI themed information stands in tradeshows	
Events	1 annually at least, 4 in total at least
Events	600 visitors to booths in total
Training events/summer schools/workshops	
Training event	At least 3
EPI Ambassador and EPI visit to national decision makers	
Visits	At least 5

5 Future updates of Dissemination and Communication Plan

As foreseen in the SGA1 proposal, periodic updates of DC Plan will be integral part of Periodic Dissemination and Communication Reports (D24.2, D24.3 and D24.4):

Table 5 List of updates to Deliverable

Deliverable Number[14]	Deliverable Title	Lead beneficiary	Type[15]	Dissemination level[16]	Due Date (in months)[17]
D24.2	Periodic Dissemination and Communication report (M12)	13 - UNIZG-FER	Report	Public	12
D24.3	Periodic Dissemination and Communication report (M24)	13 - UNIZG-FER	Report	Public	24
D24.4	Periodic Dissemination and Communication report (M36)	13 - UNIZG-FER	Report	Public	36

The reports submitted will include analysis of each of the communication channels (web, social media, attendance), activities, scientific dissemination efforts and will thus provide data that enables a clear and comprehensive update to the D24.1.