Food Systems in European Cities

Deliverable 7.4. – FoodE Website

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Project website	www.foode.eu
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Version	1.0

Project Consortium

No.	Institution Short name	Institution Full name	Country
1	UNIBO	ALMA MATER STUDIORUM – UNIVERSITÀ DI BOLOGNA	IT
2	APT	INSTITUT DES SCIENCES ET INDUSTRIES DU VIVANT ET DE L'ENVIRONNEMENT - AGRO PARIS TECH	FR
3	RMN	COMMUNE DE ROMAINVILLE	FR
4	SWUAS	FACHHOCHSCHULE SUDWESTFALEN	DE
5	ILS	INSTITUT FUR LANDES- UND STADTENTWICKLUNGSFORSCHUNG gGMBH	DE
6	FLY	FLYTECH SRL	IT
7	NOL	NOLDE ERWIN	DE
8	BOL	COMUNE DI BOLOGNA	IT
9	NAP	COMUNE DI NAPOLI	IT
10	UNINA	UNIVERSITA DEGLI STUDI DI NAPOLI FEDERICO II	IT
11	HCA	HAGUE CORPORATE AFFAIRS BV	NL
12	LAN	GEMEENTE LANSINGERLAND	NL
14	WR	STICHTING WAGENINGEN RESEARCH	NL
16	POL	POLAR PERMACULTURE SOLUTIONS AS	NO
17	TAS	TASEN MICROGREENS AS	NO
18	MBI	ASOCIATIA MAI BINE	RO
19	ARC	ARCTUR RACUNALNISKI INZENIRING DOO	SI
20	BEE	DRUSTVO URBANI CEBELAR	SI
21	SBD	AJUNTAMENT DE SABADELL	ES
22	ISL	ORGANIZACION DE PRODUCTORES DE TUNIDOS Y PESCA FRESCA DE LA ISTA DE TENERIFE	ES
23	ULL	UNIVERSIDAD DE LA LAGUNA	ES
24	UAB	UNIVERSITAT AUTONOMA DE BARCELONA	ES
25	METAINST	STICHTING METABOLIC INSTITUTE	NL
26	NBL AS	NABOLAGSHAGER AS	NO

Document Control Sheet

Version	Date	Summary of changes	Author(s)
0.1	25.5.2020	First draft	Arctur
0.2	29.5.2020	Changing Item 2 sequence, adding 2.2.	Tina Č. Marc, Jerneja Penca
0.2	26.5.-29.5.2020	Revised draft by the internal reviewer and circulated to partners	UNIBO, HCA, HAGUE BE
0.3	29.5.2020	proofreading, ToC update	Tina Č. Marc, Jerneja Penca
1.0	29.5.2020	Final version including feedback from partners	Tina Č. Marc, Jerneja Penca
2.0	01.12.2021	Updated version addressing the comments from the General Project Review Consolidated Report	HAGUE BE

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1. Introduction

Arctur´s task in WP7 was to design and develop the FoodE webpage (T7.1.4.), all other partners were asked to provide content.

The project requirements were to provide a website for external users (for dissemination and project promotion) and for internal users (internal partner area). FoodE app will also be integrated within the website.

The website release was planned in M4 (May 2020).

For purpose of the ICT providing, Arctur registered a new domain for the FoodE website, 4PM and mailing lists: *foode.eu*.

All services will be hosted in Cloud Data Centre, secured and managed by Arctur.

In the Arctur Data Centres, hosting of virtual and physical servers is offered, colocation for all server types as well as rack space hosting. All data security, IT hardware and software description of Arctur Data Centre is available in *FoodE_Deliverable 8.2_Protection of personal data*.

2. Website development and design

2.1.   Internal partner area – 4PM

Arctur provided a tool for project management, called 4PM, developed and managed by Arctur itself.

4PM is a web application (SaaS) for project management support, collaboration, and document exchange. It supports the needs of various project team members, whole consortia and stakeholders.

4PM tool offers:

- document exchange with multi-level rights hierarchy,
- document versions and history accessibility,
- folder and document comments and keyword search,
- more productive and collaborative teams,
- discussion forum on the project and project activities,
- project roadmap divided into WPs, tasks and subtasks,
- a full overview of team communication,
- the easier organization of meetings and activities with e-mail synchronization,
- mailing list system for different (work package) project team,
- project archive.

The document management module supports an easy and secure location for document storage and exchange. All project information is accessible in one secure place and communication is transparent. Rights to view and edit are manageable, document history and versions are available. Document and folder trees uploads are easy, features like metadata, copy-paste, folder statuses, and un/lock folders or documents are available.

4PM online tool can be the central communication point, independent of language, cultural differences and location. Its features are greater than document exchange, communication and

collaboration. Other functionalities of this multi-user environment include also automatic export of timesheets for project reporting, hourly work input, finance planning and realization and many more.

For its functionality in FoodE, the 4PM platform was divided and structured into two parts:

- **Project management**

Here, members see the structure of the FoodE project – divided into WPs and tasks. Milestones are also included.

Each task is dedicated to a closed group of members, who will work on it. Here, members can add important comments and documents, so everyone can follow the workflow and know what has been done so far. Only the most important info is added here and individuals can see which members are included within each task and can send them emails or organize meetings.

- **Document repository**
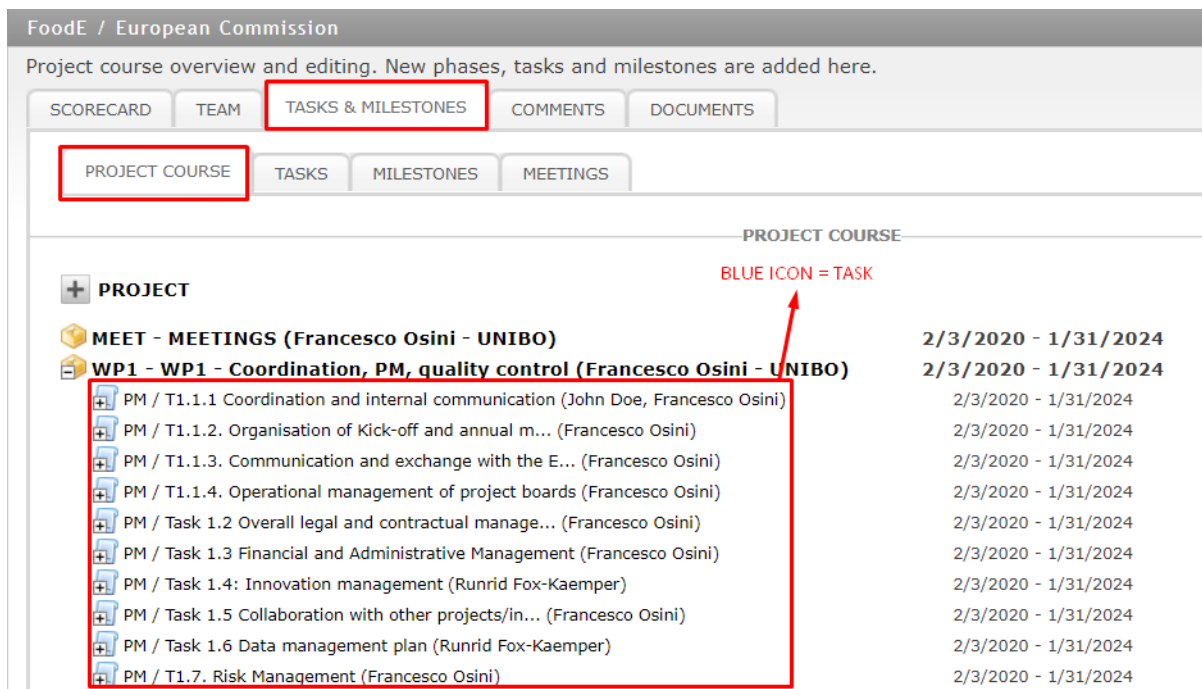
In the document repository all members can:

- download documents (all files),
- upload documents (all files),
- upload different document versions,
- check download history and version history (all versions are available),
- add comments on documents or folders,
- send documents links to colleges,
- change folder statuses.

Instruction for usage of tool were prepared – please see files uploaded in document repository:

- *Foode_Internal_Partner_ Area_Instructions_6_4_2020*

- *Videos: 4PM_tasks_work_instructions and Document_repository_instructions*

All members were provided with personal credentials to enter the system. Data security and protection of personal data collected in this tool were explained in detail in *FoodE_Deliverable 8.2_Protection of personal data.*

Picture 1: Screenshot of FoodE roadmap in 4PM

2.2.   FoodE mailing lists

Arctur prepared and released 14 mailing lists so far (till 27.05.2020), managing in tool *Sympa*:

All members: all@lists.foode.eu

Scientific contacts: sc@lists.foode.eu

WP leaders + co-leaders: wpleaders@lists.foode.eu

Pilot projects: pilotprojects@lists.foode.eu

General Assembly: ga@lists.foode.eu

Advisory board: advisoryboard@lists.foode.eu

Stakeholder board: stakeholderboard@lists.foode.eu

WP1: wp1@lists.foode.eu

WP2: wp2@lists.foode.eu

WP3: wp3@lists.foode.eu

WP4: wp4@lists.foode.eu

WP5: wp5@lists.foode.eu

WP6: wp6@lists.foode.eu

WP7: wp7@lists.foode.eu

Contacts, divided on separate mailing lists, are available here:
*https://docs.google.com/spreadsheets/d/12jvRX7SKD9FadsiI6MAXueDG7I7SWh5j_U9
QYSUUGX8/edit?usp=sharing*

2.3.   Splash site

Before official website release, Arctur prepared a simple one-page website, so-called "splash" website. This was a simple landing page, presenting FoodE project. It provided the general public with information about the project and the partners.

Picture 2: Splash website
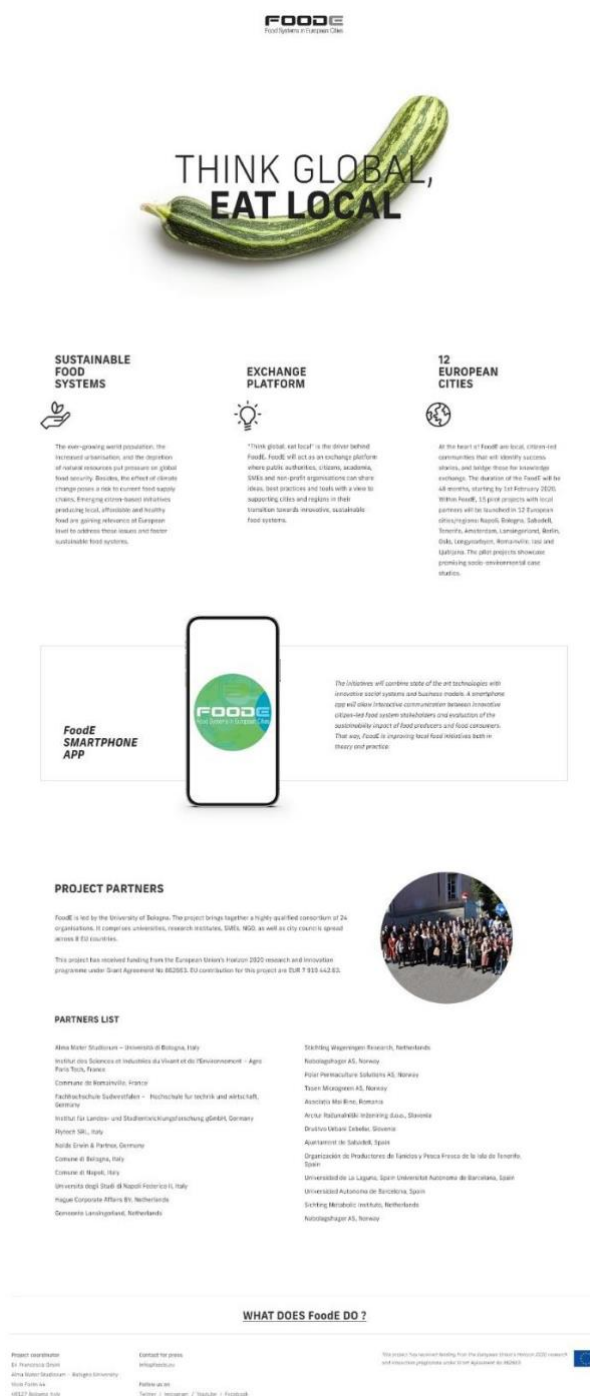
2.4. Website

Arctur has developed its own content management system ADS4 which is the basis for the Foode Website content management. ADS4 (Arctur Data System, 4th Generation) is a content management system (CMS) that we developed in order to facilitate the realization and maintenance of web sites we project and make for our customers. ADS is based on the principle of web content and web design separation, thus allowing web site editors to focus on the contents without having to care for the page layout.

ADS editorial interface is built for easy and intuitive use. No special know-how is required to work with the CMS interface, and no additional software is required: all the interfaces are accessible via a web browser.

ADS is based on PHP scripting technology and MySQL relational database. ADS can also be integrated into systems based on other technologies.

ADS enables different approaches to contents display and includes a number of modules for functionalities and interactive features: news module, an e-mail list module, events calendar, on-line product catalog, etc.
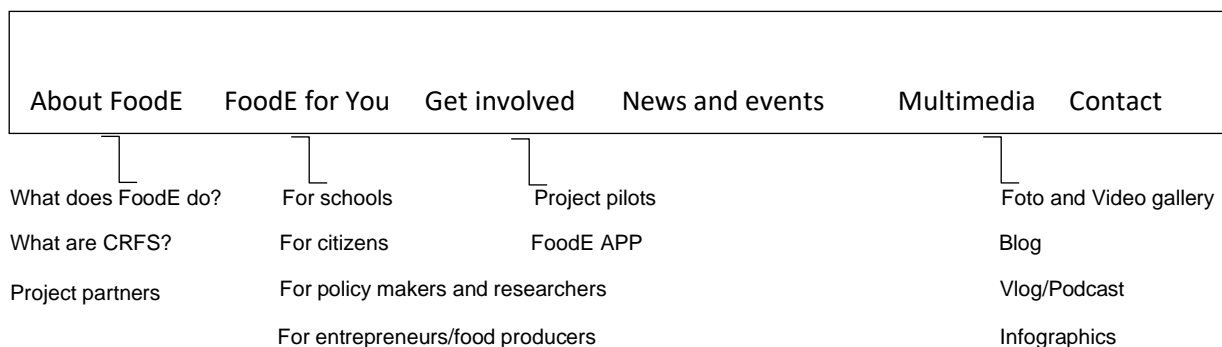
Website development roadmap:

The first wireframe (content layout, menu system) was presented to HCA and coordinator. After the wireframe was confirmed, partners were asked to provide the content for the website. All content and visual files provided on the website have to respect copyrights and IPR, all photo material has to be provided according to the naming convention presented in deliverable FoodE_WP1_D1.6 Naming_Convention.

The FoodE webpage is fully responsive (fitting to all digital devices screens and systems). Data security and protection of personal data collected within the webpage (and app later) were explained in detail in FoodE_Deliverable 8.2_Protection of personal data.

In Phase 1, the website is structured from 6 main menus and several submenus. The webpage will be directly connected with social media profiles, so Twitter and Instagram profile will be visible on the webpage.
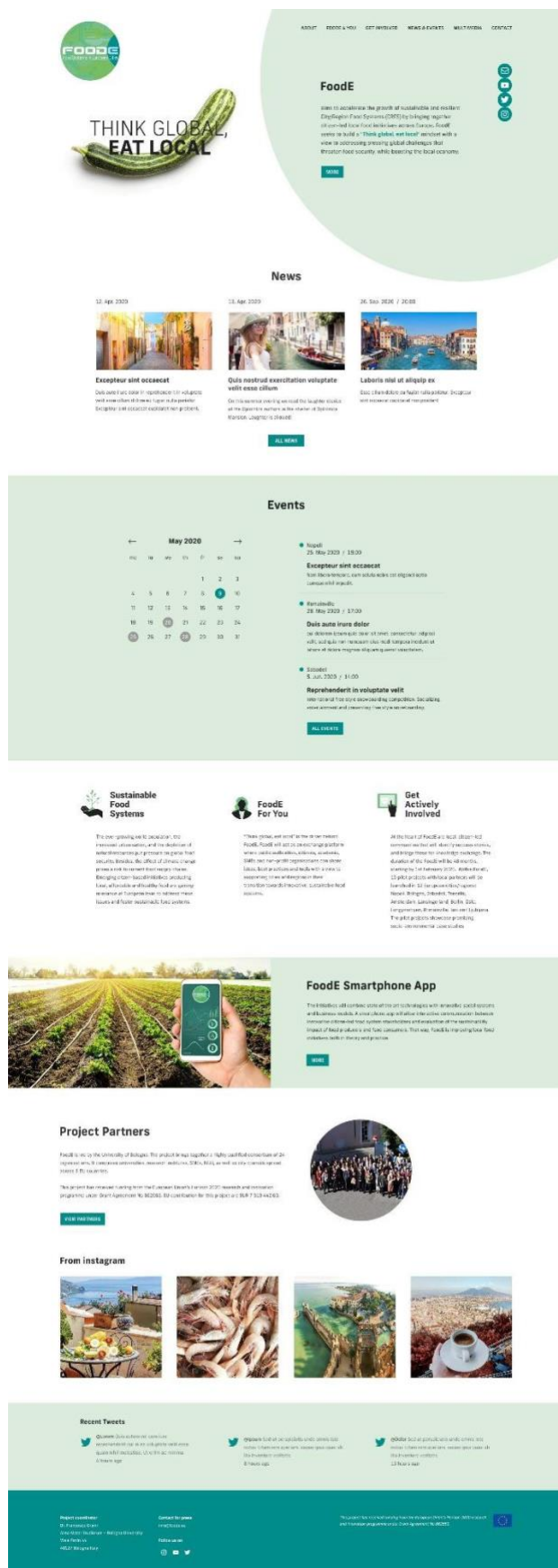
The website will be live – so it will change through project lifetime. In this first, starting phase, it is provided as below (please notice concept includes provisional texts and photos.

Picture 3: FoodE webpage, wireframe Phase 1

About FoodE	FoodE for You	Get involved	News and events	Multimedia	Contact

What does FoodE do?   For schools   Project pilots   Foto and Video gallery

What are CRFS?   For citizens   FoodE APP   Blog

Project partners   For policy makers and researchers   Vlog/Podcast

                        For entrepreneurs/food producers   Infographics

Picture 4: Webpage concept, homepage, Phase 1

From the homepage, users can enter different subpages via content, provided on the website or via the main menu, provided on the top of the page.

FoodE slogan: "Think global, eat local" is exposed in GIF.

Then the last three news will be visible, with the "call to action" button "All news", leading user to News subpage where all news will be available.

Events will be presented in the calendar with monthly preview option – when clicking on the date, event name will be shown, with location and a full description of the event, photos, and videos can be added too.

Three "icon" sections indicate a short description of "What does FoodE do", "Get involved" and "Pilot projects".

One banner is devoted to the main output of the project, FoodE APP, where users can enter into APP when it will be provided.

The section about Project partners introduce partners via Organization logos, their names and is linked to partners´ homepages.

The last part of the website is dedicated to social media profiles – here Twitter, Facebook and Instagram feeds will be provided.

In the footer, contacts of the project coordinator, social media icons, and EU emblem are provided.

Picture 5: Webpage concept, events, Phase 1
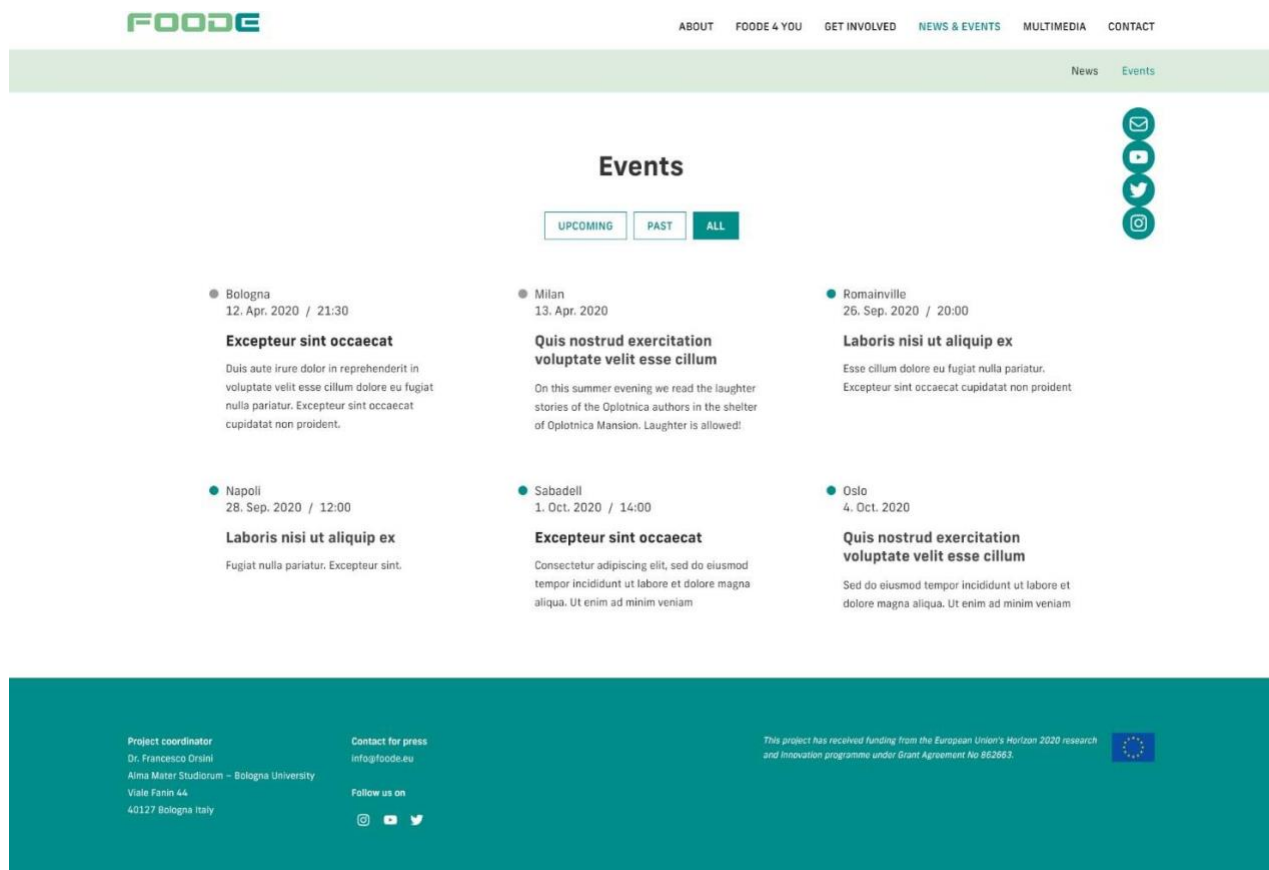
Picture 6: Webpage concept, pilot projects, Phase 1
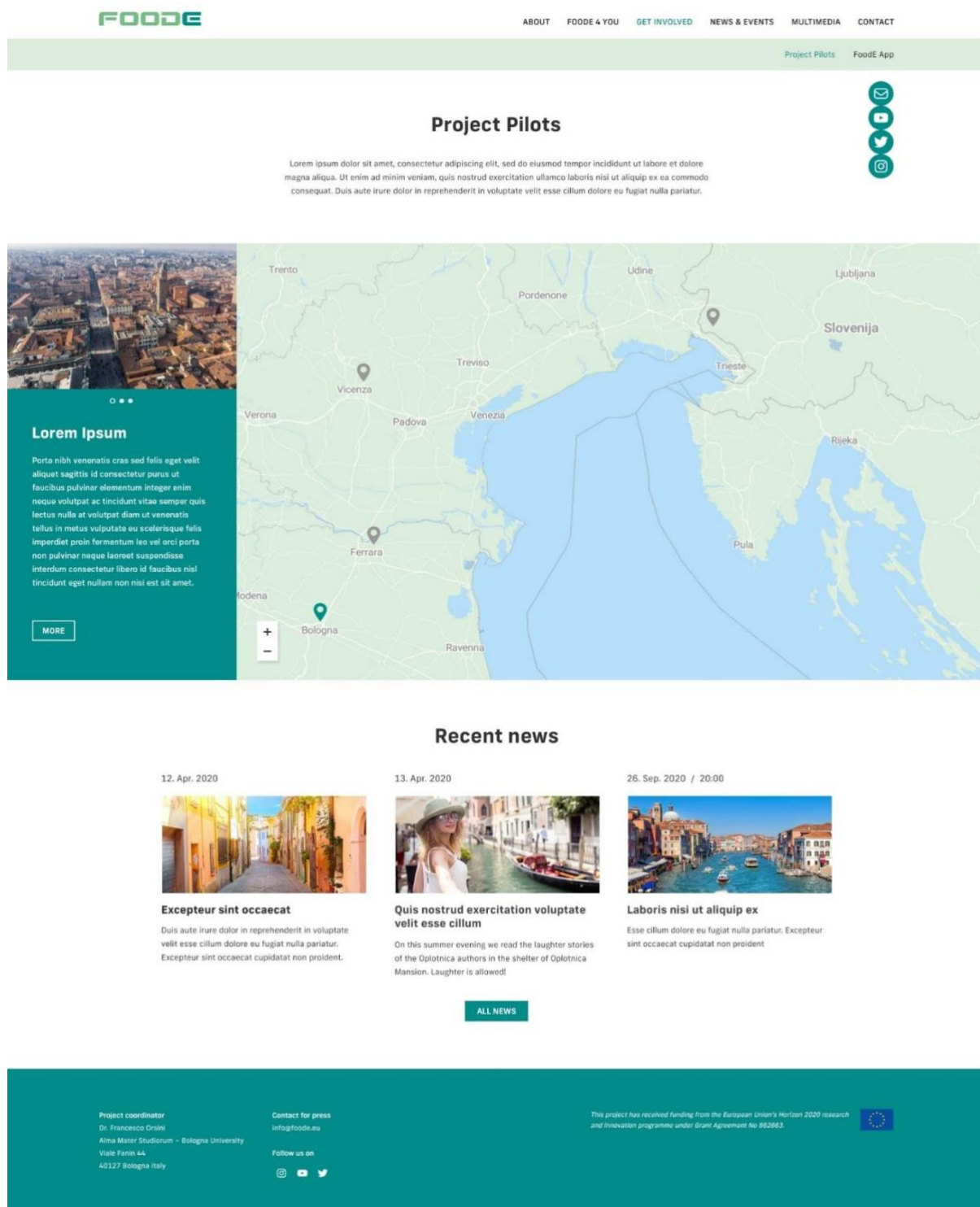
Pilot projects will be shown on the map (pins). When clicking on the pin, the box with a short introduction and photos of the project will be provided. When clicking on the CTA button "More", the user will be redirected on the pilot's subpage, where a full description of the pilot and all other information will be provided.

Picture 7: Webpage concept, simple content subpage, Phase 1

Arctur team will take care of the whole website design, development and updating process:

- domain name registration
- consulting
- visual concept
- programming
- technical consulting
- testing
- website publication
- hosting
- maintenance and user support.

Email inboxes, websites, and web apps simply need to work at all times and high loads. The hosting of websites and web systems on Arctur´s servers is protected by an anti-virus system, and security against intrusions is adequately taken care of. Servers also have an uninterruptible power supply and regular systematic backup of data. All types of hosting allow the implementation of web scripting languages PHP, Perl, ASP and .NET and run on Linux and Windows servers.

3. Conclusion

The launch of the FoodE webpage at M4 is a milestone but the webpage is a dynamic one, and will be continually developed and upgraded. The website is the face of the project and will be constantly updated by the Arctur and HCA teams, relying on the content provided by all partners. To fully exploit and use the webpage, all partners will have to promote the content provided on the website via (their) social media, events, and PR.

Appendix 1: ISO/IEC 27001:2013 System certificate SI20/30223176

Certificate SI20/30223176

The management system of

ARCTUR d.o.o.

Industrijska cesta 1a,
5000 Nova Gorica, Slovenia

has been assessed and certified as meeting the requirements of

ISO/IEC 27001:2013

For the following activities

Design, development, production and support of solutions for customers in
the fields of HPC, Cloud computing, Research and Development, and
advanced IT solutions. Assessed in accordance with the Statement of
Applicability v1 from 17.01.2020.

This certificate is valid from 14 April 2020 until 13 April 2023
and remains valid subject to satisfactory surveillance audits.
Recertification audit due a minimum of 60 days before the expiration date.
Issue 1. Certified since April 2020

Authorised by

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Appendix 2: Technical equipment

Arctur-2 is Arctur's flagship hyper-converged HPC & Cloud computing infrastructure. Is has been designed and built to fit various and diverse usage scenarios, from general use Cloud Computing to HPC computing as well as Big Data analytics. By converging different types of servers into a single entity, we have achieved high performance, energy efficiency, and seamless management, enabling us to provide excellent services to our customers.

Technical details:

- CPU cores from Intel Xeon E5 v4 CPUs

- 1 TB of memory per node with high memory-density nodes

- 8 TB and 224 CPU cores SMP system

- servers with multiple locally attached hard drives for Software-Defined Storage and Big Data analytics

- GPU nodes with NVIDIA Tesla GPUs

- 25/100 Gigabit Ethernet network from Mellanox

- 1.5 PB of distributed storage, based on CEPH technology

- multiple block storage with all-flash arrays for cloud computing workloads

In the Arctur Data Centres, we offer hosting of virtual and physical servers, colocation for all server types as well as rack space hosting. Efficiently cooled and secured locations with redundant electrical and internet sources provide high availability (>99.98%).