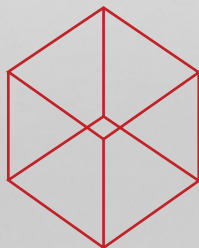
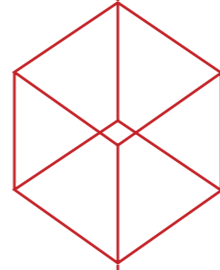


FGB innovation & entrepreneurship

Accelerating
Innovation
Ecosystems





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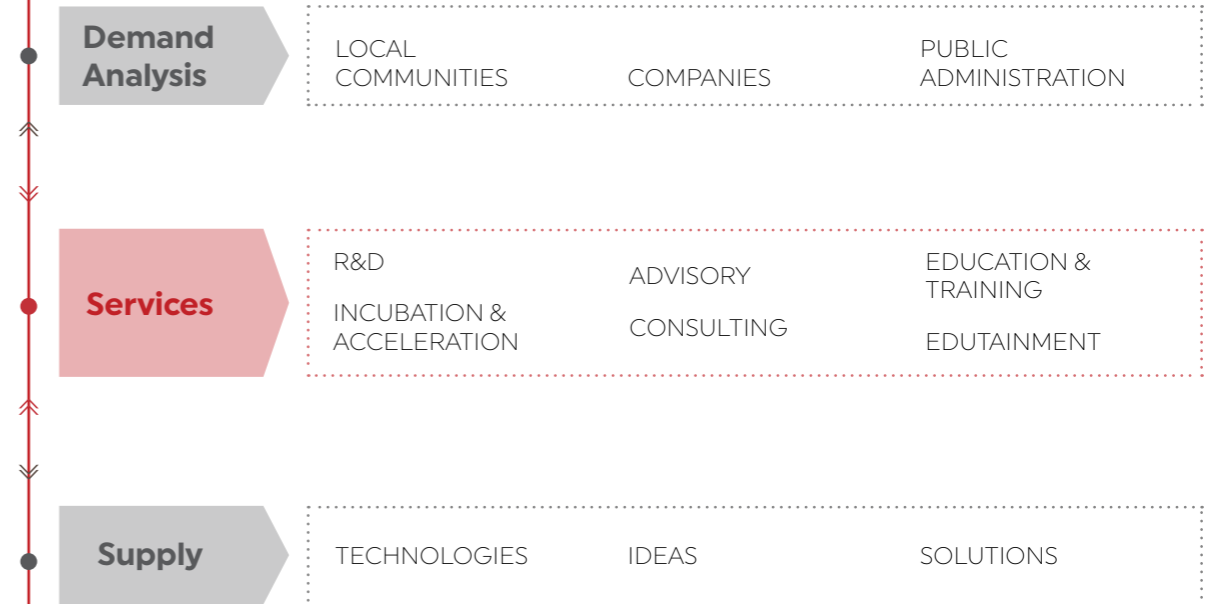
MISSION AND ROLE

FGB identifies and matches demand and supply of innovation through integrated processes generating shared value with social impact by:

- » Creating and animating physical hubs and virtual platforms
- » Providing services, tools, methodologies and technologies
- » Connecting local ecosystems for innovation transnationally
- » Developing human capital through education, training and exchange programmes

The focal point of our initiatives are CITIES, as they are the places where problems are most visible and felt, and solutions can be invented, prototyped, tested and scaled.

SERVICE MODEL



ASSETS: Physical Hubs and Virtual **Platforms**

SERVICES

R&D

CALL FOR IDEAS/ SOLUTIONS
IDEA GENERATION AND
PROTOTYPATION
TESTING & SHOWCASING

INCUBATION & ACCELERATION

ACCESS TO SPACE
ACCESS TO CAPITAL
ACCESS TO INTERNATIONAL
MARKETS
COMMUNITY BUILDING
MENTORING

ADVISORY

LEGAL
FINANCE
INTELLECTUAL PROPERTY

CONSULTING

PLACE MAKING
URBAN REGENERATION
ASSESSMENT 4.0
TECHNOLOGY

EDUCATION & TRAINING

EXECUTIVE MBA ON INNOVATION
AND ENTREPRENEURSHIP
CROWDFUNDING ACADEMY
INVESTMENT READINESS CAMPS
TRAINING ON INDUSTRY 4.0
TECH CAMPS FOR KIDS AND
SCHOOLS

EDUTAITMENT

SCIENCE PARKS
TEMPORARY EXHIBITIONS

THEMES



INDUSTRY 4.0

solutions for the entire value chain



AGRIFOOD

quality and sustainability



SMART CITIES

urban integrated development



HUMAN CAPITAL

labour market, education, entrepreneurship, VET



SAMPLE OF SERVICES

CONSULTING - ASSESSMENT 4.0

TECHNIMETRO® Skills 4.0 for digital transformation

In order to identify the innovative skills necessary for the application and distribution of the technological and operational paradigms of Industry 4.0, Fondazione Giacomo Brodolini in cooperation with the University of Pisa, has developed the Technimetro® of the Industry 4.0 skills.

It is an adaptable and flexible tool for identifying and mapping the new digital skills and making them available to companies, labour market, institutions and organisations and the vocational training and education system.

The Technimetro® is a database of terms and reports, in three languages (Italian, English and German), developed around the 4.0 paradigm. It is a totally inter-linked system, expandable to specific industries (e.g. Tourism, Agriculture, Food Production, etc.) and applicable to different functions (e.g. Logistics, Production, etc.).

The sources of the system are technical dictionaries, newspapers, scientific articles available from academic sources and open databases on the basic technologies most quoted in association with the keyword 4.0.

Fondazione Brodolini in cooperation with ERREQUADRO and the University of Pisa have created a tool to measure the Industry 4.0 readiness of SMEs. The evaluation model is based on international standards and relies on validated sources, providing for the impartiality of results, and follows an original 3-step Evaluation Model:

1. Self-Assessment of the self perceived level of maturity of an enterprise with respect to the Industry 4.0 paradigm
2. Measure the maturity level of the enterprise through an on site assessment process (generating a snapshot of the enterprise status in relation to Industry 4.0 standards per industry)
3. Audit report of the effective gaps and growth potential suggesting potential development innovations and assessment of technology investments needed.

The assessment is performed by a team of consultants specialised in Industry 4.0 technologies and change management, ensuring that the assessment provides reliable and useful information to enterprises in relation to their potential adoption of Industry 4.0 technologies and processes in order to support them in their digital transformation.

CONSULTING - ACCESS TO CAPITAL

The “capital for innovation” programme annually identifies, selects and supports innovative and entrepreneurial projects with capital funds and business services, attempting to integrate the worlds of research, business and social innovation in the age of digital transformation.

The programme is promoted by Banca Popolare Etica with the strategic, methodological, and scientific expertise of Entopan, Giacomo Brodolini Foundation, Bruno Kessler Foundation as well as with the operational coordination of Oltre - Open Innovation Hub. A network of hubs distributed on the national territory supports the programme in the scouting, assessment, funding procedures and implementation phase of the proposed projects. Proponents can receive a minimum grant of € 100.000 and a maximum of € 700.000. The total programme budget is 5 million euros per year.

ASSESSMENT 4.0

CAPITAL FOR INNOVATION

CREATIVE COMMUNITIES

Creative Communities is a Call launched for the first time in 2017 by Fondazione Giacomo Brodolini, selecting 100 young people from the Piedmont Region to support them in the participation to international competitions on innovation, enabling technologies and sustainable development.

The aim of the call is to foster the generation of new creative communities in the Piedmont Region, creating opportunities for innovative projects, stimulating the generation of ideas from young talents by connecting them to international opportunities for funding.

The selected beneficiaries go through a 2-month training, and then through a mentoring and consulting process where experienced mentors help them to refine the ideas and write the project proposals. The process is designed to offer the best support to the participants for the presentation of quality projects to international funding opportunities.

R&D - TESTING & SHOWCASING

LIVING LABS

Living Labs are Public – Private – People Partnerships that allow stakeholders involved to co-create, test and evaluate new products, services, businesses and technologies in real life environments.

FGB supports the design and implementation of Living Labs with the following activities:

- providing technical assistance to city administrations for the implementation of Living Labs;
- engaging citizens to indicate their preferences on thematic priorities and public spaces in which to install the technologies;
- organising public events to explain how Living Labs work and describing the technologies installed;
- analysing the potential impact of new technologies on the quality of life and wellbeing of the communities involved;
- accelerating the technologies tested and help innovations grow and scale through acceleration, promotion and internationalisation services.

Technology Demonstrators are interactive installations in closed spaces with the purpose of showcasing possible applications, feasibility and performance of an idea or a new technology. They can be used in order to promote new technologies to investors, partners, journalists or potential clients.

FGB supports the design and implementation of Technology Demonstrators with the following activities:

- providing open spaces for demonstration in its innovation hubs;
- scouting and selecting new technologies for specific purposes;
- engaging appropriate stakeholders for the promotion of the technologies;
- help innovations grow and scale through acceleration, promotion and internationalisation services.

R&D - CALL FOR IDEAS/SOLUTIONS

The Open Innovation in Agrifood Programme is promoted by Fondazione Giacomo Brodolini and supported by a global network of partners. The International Call for Solutions is targeted at individuals, entrepreneurs, NGOs and businesses. The annual Call collects solutions for new products, services, business models and technologies aimed at promoting economic, environmental and social sustainability in the agrifood industry. The best proposals selected by a scientific committee are invited to participate to the Global Innovation Camp that takes place in Italy every spring, and a final selection during the Camp offers to the best solutions a 3-month acceleration process to help them scale and grow. Since its inception in 2016, the programme has collected more than 300 applications from 30 countries in the five continents and has supported more than 40 start ups.

TECHNOLOGY DEMONSTRATORS

OPEN INNOVATION IN AGRIFOOD

CIVIC CROWDFUNDING ACADEMY

The Civic Crowdfunding Academy is an initiative of the City of Turin and it is managed by a partnership composed by Fondazione Giacomo Brodolini and other local partners.

Launched at the beginning of 2018, the initiative aims to promote and support the generation, testing and implementation of innovative services and projects with social impact with the support of civic crowdfunding. The Academy, based in Open Incet, provides training and mentoring for effective crowdfunding campaigns to 100 individual innovators, non-profit organizations and social enterprises each year.

EDUCATION & TRAINING – CROWDFUNDING ACADEMY

EDUCATION & TRAINING – TRAINING ON INDUSTRY 4.0

TRAINING ON INDUSTRY 4.0

FGB, in collaboration with its sister company Errequadro, provides high quality training to SMEs on Industry 4.0. Topics range from introductory courses on the Industry 4.0 paradigm to technology applications to specific functions such as logistics and HR.

ACTIVITIES



INCUBATION



LIVING LAB



EDUCATION & TRAINING



PUBLIC LAB



SPACE & COMMUNITY BUILDING



CORPORATE LAB



CALL FOR PROPOSALS



TECH DEMONSTRATOR



EDUTAINMENT



R&D / ENABLER



MUSEUM



CALL FOR PROPOSALS

INNOVATION HUBS



1

FabriQ MILAN



2

Open Incet TURIN



3

Les Pepinieres VAL D'AOSTA



4

Mhuma MILAN



5

GATE PISA



FabriQ

FabriQ is the Social innovation incubator of the Municipality of Milan, offering to innovative social enterprises office space, training, mentoring and advisory services. FabriQ organizes matching events with potential investors, promotes social entrepreneurship in the neighbourhood's schools and works as a local hub for NGOs and citizens' associations working in social activities in the area. Since its inception, FabriQ has incubated 60 start ups and raised almost 7 million of private capital investments.



FABRIQ
Open since 2014
MILAN

FIGURES:
Owned by Municipality,
managed by FGB + ImpactHub
SPACE: 750 Sqm
START UPS: 90
EQUITY RAISED: 4.0 mil. EUR
MENTORS: 80+
COMMUNITY: 300 pp.

ADDRESS
Via Val Trompia 45/A
20157, Milano

www.fabriq.eu

OPEN INNOVATION CENTER
Open since 2015
TURIN

FIGURES: owned by PPP
(municipality
and 6 private partners)
SPACE: 5.000 Sqm
STAFF: 20
CAPITAL RAISED: 1 mil. EUR
SHAREHOLDERS: 6
COMMUNITY: 5.000 pp.
EVENTS: 80

ADDRESS
Via Francesco Cigna 96/17
10156 Torino

www.openincet.it

Open Incet

OPEN INCET is the Open Innovation Center of the City of Turin with the mission to generate new solutions for the city, animate creative communities of young talents and innovators and connect the local ecosystem for innovation internationally. Open Incet organises, hosts and supports a variety of programmes led by public and private organisations, and it is home to the city innovation lab aimed at introducing sustainable integrated innovations in city.



Les Pepinieres

Le Pépinières d'entreprises is an incubator with two connected locations, one in Aosta and one in Pont-Saint-Martin, in the Valle D'Aosta Region. It provides business services and logistical support to innovative start ups that are in line with the Regional smart specialisation strategy: Smart Mountain, Excellent Mountain and Green Mountain. The incubation programme also provides opportunities for access to capital and markets. Since its inception, Les Pepiniers has incubated more than 20 innovative start ups.



LES PEPINIERS

Open since 2017
VALLE D'AOSTA

FIGURES:
owned by Region, managed by
two private organisations
SPACE: 4.500 SQM
STAFF: 12
CAPITAL RAISED: N/A
SHAREHOLDERS: 1

ADDRESS
Via Lavoratori Vittime del Col du Mont, 24
11100 AOSTA

www.pepinieresvda.eu

MILAN HUB FOR MAKERS AND STUDENTS

Open since 2017
MILANO

FIGURES:
owned by PPP (municipality and
3 private partners)
SPACE: 3.000 Sqm
STAFF: 30
CAPITAL RAISED: 3.0 mil. EUR
SHAREHOLDERS: 3

ADDRESS
Via Massimo D'Azeglio 3
20154 Milano

Mhuma

The Milan Hub for Makers and Students of the City of Milan is an innovation centre dedicated to digital transformation and 3D printing technologies. It supports the community of makers of the city to cooperate for scaling projects and new entrepreneurial ventures, it organises a variety of cultural, educational and training programmes for SMEs, Start Ups, Fab Labs and young people from the age of 14. The centre also hosts a number of events for the Milan's Design Week and Digital Week, such as the annual Milan Manufacturing Camp.



GATE

The Galileo for Technology and Enterprise of the City of Pisa is an innovation hub specialised in technology transfer, valorisation of scientific research and the acceleration of technology start ups and university spin-offs. The centre offers a broad range of business services supporting SMEs in their digital transformation and internationalization.



GALILEO FOR TECHNOLOGY AND ENTERPRISE

Open since 2018
PISA

FIGURES:
Owned by PPP (municipality and 2 private partners)
SPACE: 1.200 Sqm (1° Lot)
STAFF: 4
CAPITAL RAISED: N/A
SHAREHOLDERS: 2

ADDRESS
Largo Padre Renzo Spadoni
56126 Pisa

VIRTUAL PLATFORMS

GLOBAL INNOVATION EXCHANGE globalinnovationexchange.org

FGB is the managing partner for EU of the Global Innovation Exchange, an online marketplace for innovators, funders and experts to connect and share valuable insights and resources. The goal is to accelerate development innovation where it is needed the most by making funding, best practices, and expertise information easily accessible at the right stages of innovation. The first of its kind, the Exchange is a brand and innovation agnostic platform with an ethos to promote open-source collaboration.

SWITCH PITCH switchpitch.com

FGB is the managing partner for EU of Switch Pitch, an open innovation global platform that allows established companies to find innovative startup solutions to their project needs.

SwitchPitch's AI algorithms aggregate and analyse all relevant startup information – for over 100k startups globally - tagged based on current and potential innovation uses – rather than standard industry tags used for VC investing. Fondazione and Switch Pitch cooperate each year to organise the Switch Pitch European Camp in Italy.



PROJECTS

ME4CHANGE 2017-2019

The ME4Change – Migrants Empowerment for Change – project aims to create, improve and provide wider dissemination of support schemes for young migrant entrepreneurs to help them becoming self-employed and building a successful enterprise (profit- generating or with social objectives). The idea is to bring together organisations from different countries where migration is having a peak and to develop together innovative solutions for migrants' inclusion, in particular for youth willing to start a business / boost the growth of their startups. Our goal is to create a vital eco-system where young migrants can exploit their opportunities, grow and build business skills to improve as entrepreneurs.

EASII - Easing Access to Social Impact Investments 2016-2018

The project aims to scale up the capacity and reach of FabriQ the social innovation incubator of the City of Milan co-managed by FGB and Impact Hub Milan by developing a nation wide one-stop shop for social enterprises focused on assistance to improve their investment readiness. The action was funded by the EU Programme for Employment and Social Innovation.

YEP aims at promoting new practices to support youth entrepreneurship, specifically for those young people who neither studying or working, in the cities of Milan, Madrid and Lisbon. The initiative is offering 80 aspiring young entrepreneurs the opportunity to attend specific training on how to start a business, followed by an incubation stage for the most innovative ideas, particularly focusing on social entrepreneurship and new technologies. The Program is divided into 3 steps: Training courses, Incubation, Accompanying and access to credit.

SPRINT4.0 aims at filling the gaps existing in University curricula concerning education and training on Industry4.0 topics. The project is designed for students (from bachelor/Master courses or PhD students), but also industrial players that will work in digital Industry, but do not have all the competencies to face the new era of digitalization of the industry. SPRINT 4.0 provides target groups with a full set of skills in both Industry 4.0 and entrepreneurship fields; promotes the collaboration between universities and industry and facilitating the transfer of innovation and the knowledge exchanges in order to create an innovative approach for training and support, aimed at increasing the successful implementation of Industry 4.0 innovations and initiatives of European companies and ventures.

The Open Innovation Summit is an international annual event powered by Fondazione which takes place at Open Incet in Turin. The event gathers more than 100 selected relevant stakeholders to explore the key enabling factors of cities' capacity to innovate and compete on the global stage, and to nurture new partnerships at the international level. OIS is designed to provide the opportunity to learn from and network with the world's more innovative cities, top-level experts, thought leaders, policy makers, entrepreneurs/startuppers and innovation intermediaries coming from all over Europe and United States.

YEP
2016-2018

SPRINT 4.0
2017-2020

OIS - Open Innovation Summit
Second edition: September 2018

The Entrepreneurial City: strategies, policies, and tools for competing in the global arena.

MILAN YOUNG CITIZENS
2015 - 2016

FGB, in collaboration with FabriQ, joined the project "Milano Young citizens (MYC): Youth for the future of the city" promoted by the Municipality of Milan and financed by ANCI. The project involves more than 50 young people in an informal training about social innovation's own techniques (e.g. design thinking, art of hosting) promoting a new business culture based on the theme of social innovation, as a strategic lever for urban sustainable development.

WEGOVNOW
Towards We-Government:
Collective and participative
approaches for address
local policy challenges

2016 – January 2019

WeGovNow is a Research and innovation action project founded by Horizon 2020 with a consortium of 12 partners coming from five different countries across the EU. The project is focused on civic participation in local government aiming at using state-of-the-art digital technologies in community engagement platforms to involve citizens in decision making processes within their local neighbourhood and in the co- production of citizen-centred services.

BRINDISI IS YOU
2015 - 2016

The project is financed by ANCI, with the partnership of FGB together with Associazione ItaliaCamp and Associazione Brindisi IS with the aim to build a physical and virtual space where well- informed citizens could face problems and challenges of the city they belong to, in order to give suggestions to the public administration and to start realising solutions for a better city.

The purpose of AGL is to develop European Policy Guidelines to support the designing and implementation of new integrated strategies to promote active ageing initiatives. AGL aims at improving policy coordination among public and private stakeholders, through a consortium of three Italian Regions (Apulia, Marche and Veneto), the national Health Service England, a network of European institutions involved in the Health Sector (EuroHealthNet) and FGB.

This project is one of the six pilot transfer networks, projects designed for the transfer of good practices among European cities. As matter of fact, the project aims at transferring to other four European cities those good practices, developed by the city of Udine, concerning the issue of health and active ageing. FGB deals with the technical assistance provided to the project, the support to the implementation of the project and the organization of meetings between partner cities.

The URBACT programme falls within the European Union's territorial cohesion objective. The goal is to encourage experience sharing between Europe's major cities as well as foster the capitalisation and dissemination of knowledge and experiences in all issues related to sustainable urban development. Since 2012, FGB has provided technical assistance to the URBACT Secretariat on the capitalisation and dissemination activities.

AGL
Active ageing Going Local

March 2014 - February 2016

URBACT Healthy Agein

29 January 2014 – 30 April 2015

**Capacity-building,
dissemination and management
for Local Support Groups
within the URBACT Programme**

January 2012 - December 2015

SOCIAL FINANCE
June 2014 – June 2015

A project funded by the European Commission, DG Employment Social Affairs and equal opportunities aimed at supporting the demand and supply side of the market for social enterprise finance. FGB is partner in a pilot action in the Lombardy Region with the objective to set up a 20 million € investment fund for scaling social enterprises by end 2015. Investor partners of the project are leading Italian banks (Unicredit, San Paolo, Banca Etica), Oltre Venture (the leading impact investing fund in Italy) and Resonance UK, the leading social finance intermediary in the UK matching investors with social entrepreneurs around a shared value set.

AGES 2.0
September 2012 - November 2014

The project determined how new technologies, particularly the internet and social networks, can help foster communication and social inclusion of the elderly, and to evaluate the effects on their health and well-being. AGES 2.0 was an experimental project aimed at testing the effectiveness of the EASY PC methodology, namely a training program on the use of the internet and social networks, tailored on two selected groups of elderly people in the two countries involved in the research (Italy and United Kingdom).

WE ARE ABLE TO WORK 2020
February 2013 - April 2014

An international project which supported the introduction, implementation and promotion of innovative and qualitative elements in non-formal education and youth work, while matching the target group of young people with disabilities with the field of employment through self-promotion in partner countries (Greece, Italy, Spain, and Lithuania).

PUBLICATIONS

2014



Sgaragli F.
Enabling Social innovation ecosystems for local led territorial development

2015



URBACT Workstream Report
New concept and tools for sustainable urban development



URBACT Workstream Report
Social innovation in cities



Montanari F., Mizzau L.
Laboratori urbani
Organizzare la rigenerazione urbana attraverso la cultura e l'innovazione sociale

2016



Sgaragli F., Montanari F.
Milan white paper on Social innovation
Accelerating Milan's local ecosystem for social innovation

2017



Montanari F., Mizzau L.
Laboratori aperti
Organizzare i luoghi dell'innovazione aperta



Montanari F., Sgaragli F., Teloni D.
Cities as engines of innovation and inclusive growth
A transatlantic journey Eu-USA



Fantoni G., Cervelli G., Pira S., Trivelli L., Mocenni C., Zingone R., Pucci T.
Ecosistemi 4.0
Imprese, società, capitale Umano



Cervelli G., Pira S., Trivelli L. a cura di Fantoni G.
Industria 4.0 senza slogan

NETWORK

ACLI Milano
Alphametrics Ltd
Banca Etica
Bergische Universität Wuppertal
Bertelsmann Stiftung
Bth-Blekinge Institute Of Technology
City of Bari
City of Cagliari
City of Milan
City of Pisa
City of Sassari
City of Turin
Civil Society Development Foundation
Collaboriamo
C40 Cities
Compagnia di San Paolo
ConfCoop Torino
Confindustria Bari
CSIC-Institute For Polymer Science And Technology
EDIT

Entopan
Errequadro
Gruppo Conform
Danish Technological Institute
DPixel
GHK Consulting Ltd Goethe University In Frankfurt-IWAK
Guanxi
Human European Consultancy
Impact Finance Ltd
Impact Hub Milan
Impact Hub Turin
Information Technology And Innovation Foundation
Inova Consultancy Ltd
Inter American Development Bank
ItaliaCamp
Izmade
Georgetown University
Georgia Tech Manufacturing Institute
Global City Team Challenge
LATTANZIO KIBS

Legacoop
London School Of Economics And Political Science
Luiss Guido Carlo University
Modena And Reggio Emilia University
Nesta Italy
NIC-National Institute Of Chemistry
NIST – National Institute Of Standards And Technology
Opendot Fab Lab
Pisa University
Politecnico di Bari
Politecnico di Milano
Politecnico di Torino
Regione Valle d'Aosta
Rena
Resonance UK
Disko Italia
Sapienza University
Scuola Normale di Pisa
Social Fare
Soluzioni Turistiche Integrate - STI

The Brookings Institutions
The Doers
The European House - Ambrosetti
The Fab Lab
The German Marshall Fund of the United States
The World Bank Group
Torino Wireless
Urbact Operational Programme
USAID
X23
Wemake Fab Lab
Zerynth
1776 Incubator

ABOUT US

Fondazione Giacomo Brodolini (FGB) is a European think-and-do-tank operating since 1971 devoted to the design, delivery and intelligence for social impact in the fields of labour market, economic development, gender mainstreaming and innovation. FGB is a not for profit organisation with headquarters in Rome and field offices in Milan, Turin, Brussels, Barcelona, Ankara and Washington DC. Our 40 staff and more than 200 experts and consultants work on activities ranging from research, policy making, technical assistance, advisory and consulting with a variety of public and private institutions and organisations at all levels: European, National, Regional and Local. Our fields of expertise cover topics such as welfare and social policies, inclusive growth, urban regeneration, human capital and labour market, knowledge and sharing economy, technology transfer and internationalisation.

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