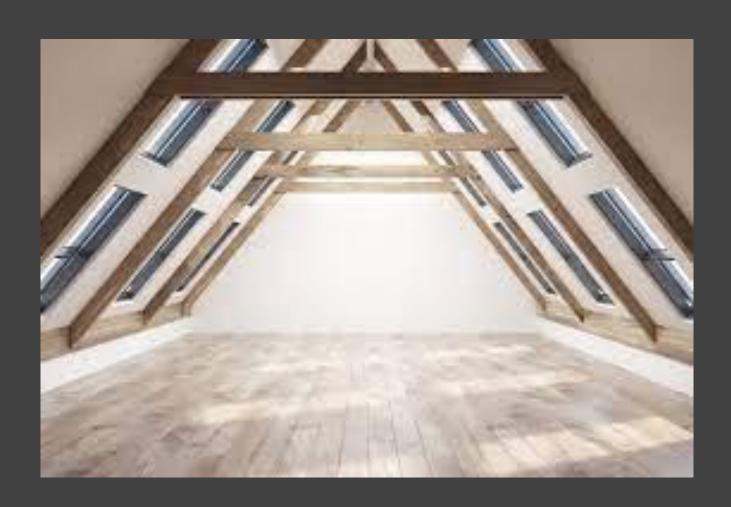
### ATIC Projects January 2021-December 2021



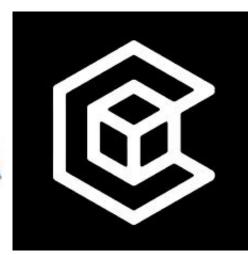
Prepared for ATIC General Assembly
April 19, 2022

### What we have worked on?









### Our Partners































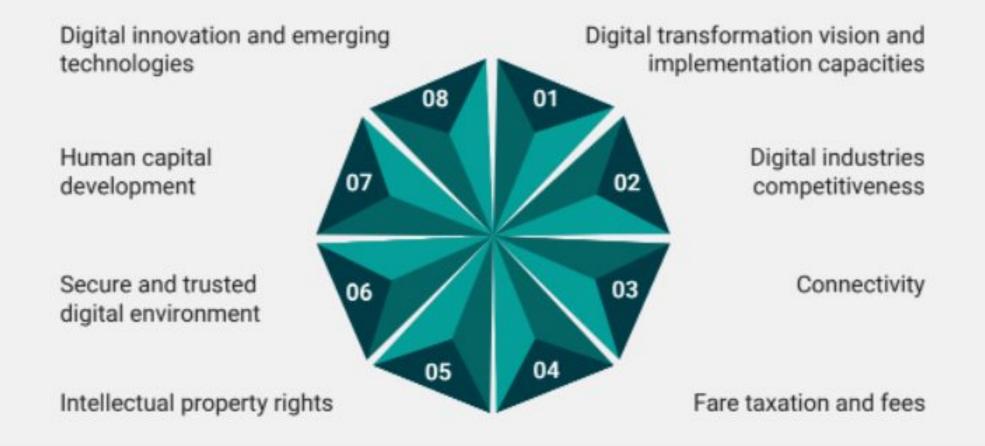








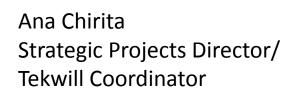














### The Scope

Nationwide Tekwill network enhanced through Public Private Partnerships

Capacity of ICT-related workforce developed

Entrepreneurship encouraged









\$8,9 M

USAID & Government of Sweden commitment





\$5.714 M

resources attracted from private sector

\$ 2.702 M

resources attracted from public sector

\$14.036 M

funds raised by startups with project's support



girls and women involved in project's activities



teams and products developed through project activities



100,681

participants in educational programs



2,226,936

hours of training and educational programs



47,500

participants in enterpreneurship activities



2,489

direct and indirect better employment opportunities



50<u>0,</u>173

participants in various activities, including 3rd party events TEKWILL is where people, community, ideas, resources, science, and industry meet to identify, facilitate, and enhance excellence in information technology, driving the Moldovan ecosystem, as a leading connecter and networking facilitator, organizing and supporting local and regional tech-related initiatives.







### **Tekwill Center Chisinau**



- 5400 m2 working space
- 24/7 friendly work environment for 168 residents, 14 offices
  - Sports Zone, Tekwill Café, Relax Zone



350+ m2 within Comrat State University

# Power Tech

Promoting tech and renewable energies







# In benefit for the University educating new generations

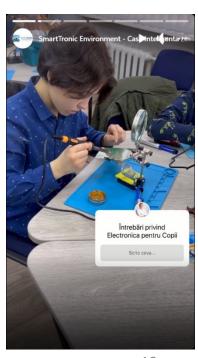
### Modernization of the university

- First MOLDOVA POWER Accelerator completed
- Students have access to modern equipment
- Partnerships between UTM and other universities performed



#### **Education**

- Students study new specialties outside classes- "renewable energy sources"
- Children benefit of new experience discovering electronics as a new branch



# Comrat Hub

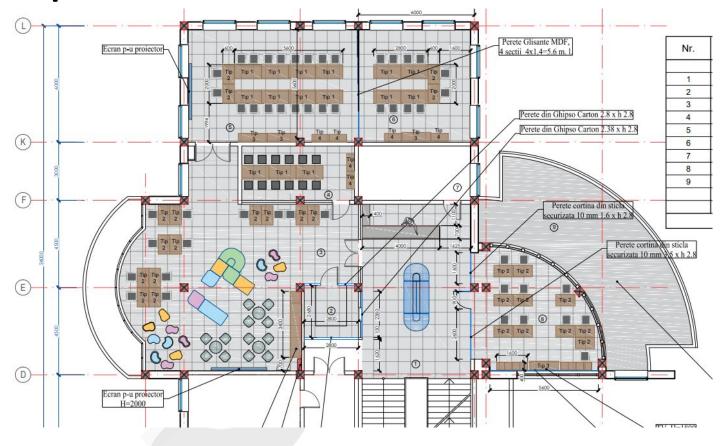
Focus on inclusiveness and regional Development



Partner:



Space







# Tekwill Balti

Focus on regional attractiveness



Partner:



### Focusing in Balti

### CAPACITY BUILDING AND INNOVATION

#### **SUPPORT TO UNIVERSITY**

#### **BUSINESS SUPPORT SERVICES**

- Deploy courses for Children
- •Deploy Tekwill in Every School Content
- Deploy requalification courses
- •Women Hub

- Promotion of IT Specialties
- UTeach
- Professors Capacity Building

- Startup Academy Uni
- Startup Club
- Coworking/cocreation spaces



powered by Tekwill

Partner:

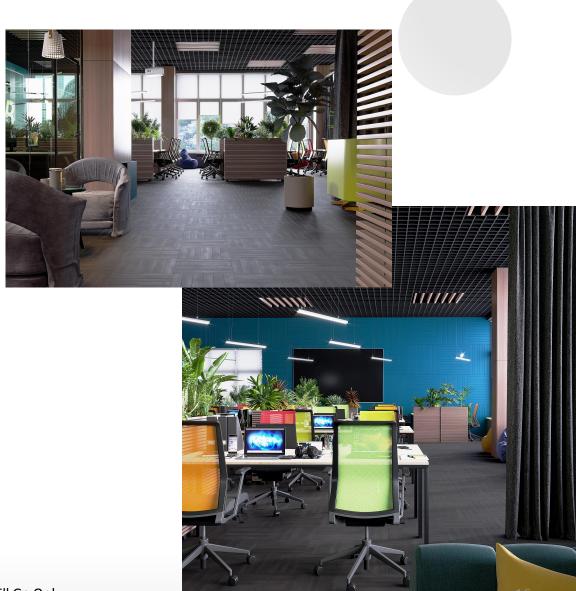




### Space





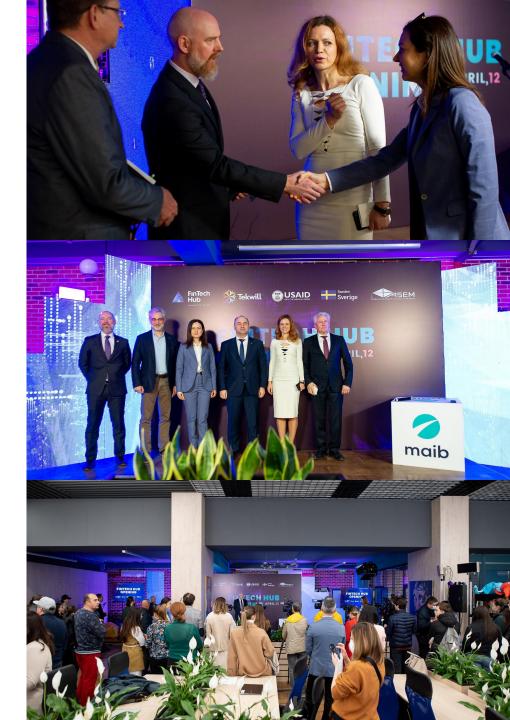


March 15, 2022 Tech Will Go On!

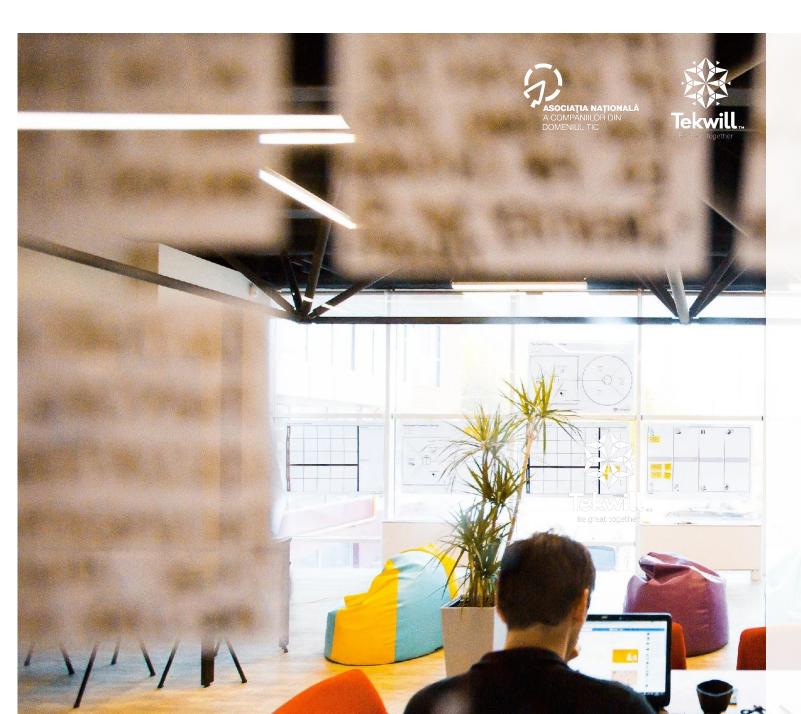
### FinTech in Moldova

We believe that from its first intro meetup in 2017, FinTech has demonstrated its capacity to outgrow expectations where transparency, innovation and financial inclusion are at its core.

2022 is the year when FinTech gets its own Hub to support cashless economy.



12 April 2022 FinTech HUb



### **Key-numbers:**

- **6 years** of activity
- 4 regions : Chisinau, Balti, Comrat, Taraclia
- **3 satellite-centers**: PowerTech Lab, FinTech Hub, Women Hub
- **150,000** beneficiaries
- 2207 implemented educational and entrepreneurial programs
- **2,227,936** training hours
- 1421 companies / teams we have supported
- \$14,036,606 raised in funding by 50+ companies we supported
- 47.4% girls & women empowered in Tech
- over 8 M interactions via media channels

Tekwill in Every School contributes to harnessing Moldova's untapped human capital, helping grow a young and innovative generation of software engineers, IT developers, and creative professionals that meet future social challenges at the national and global scale





### Școli conectate la proiectul Tekwill în Fiecare Școală



28 raioane 2021/2022

profesori beneficiari

20,000 elevi beneficiari

2022/2023



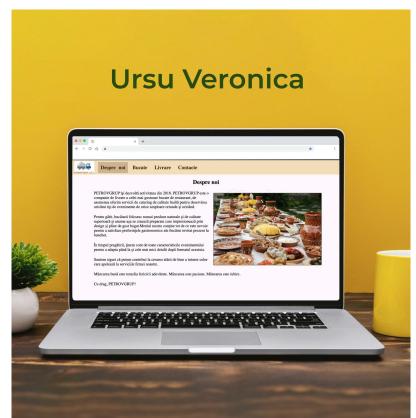
Over 1 million EUR attracted via partnerships with USAID, Sweden, and UNDP Moldova, INTEL, private sector and Diaspora

Civ professions of the future, Artificial Intelligence Dregrepoing in C. I. Web

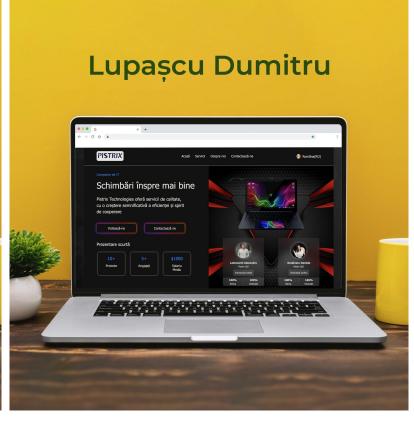




Some of the Works of the Students

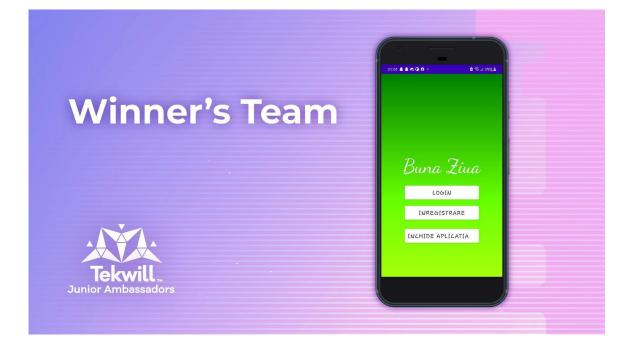


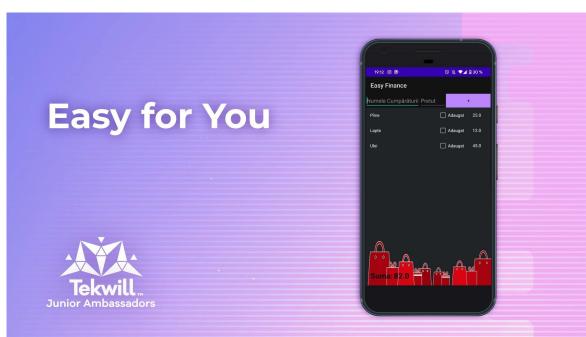


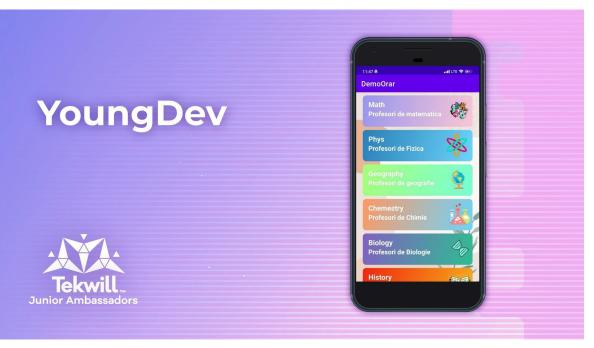


# Web Development Samples

### Some Mobile Applications Development







### Елена ТОПЧУ – Учитель Инноватор Теквилл - Гагаузия



Елена ТОПЧУ самый активный преподаватель в Томайской гимназии. Она старается сделать все, чтобы дети в сельской местности чувствовали себя уверенными и ни в чем не обделенными.

Окончила Комратский государственный университет и с 2009 года работает учителем математики и информатики в гимназии села Томай. Ответственный, творческий и любящий своё дело учитель.

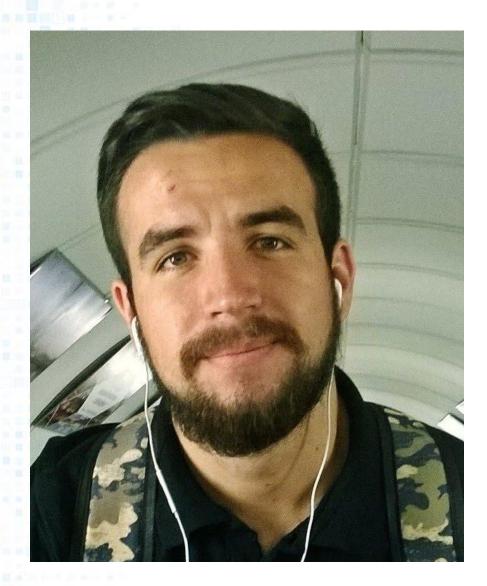
В своей работе старается всегда быть интересным для своих учеников, поэтому с большим вдохновением познаёт новое, участвует во всем доступных тренингах.

Прошлым летом прошла все три курса TIFS – Графический дизайн, Проектирование и Web разработка и Программирование алгоритмов C/C++, успешно защитила проекты по каждому курсу.

Сейчас преподает кружок курс Графический дизайн, но так как очень много желающих детей, а часов оплачиваемых школа больше не выделила - она дополнительно по собственной инициативе бесплатно преподает также курс Проектирование и Web-разработка.

3 команды под ее руководством приняли участие в TJA 2022.

### Guz Ivan - Profesor de informatică la Liceul "A. S. Pușkin" Bălți



Mi-am făcut studiile într-un sat mic, la informatică nu am avut o sală cu calculatoare, studiam disciplina doar din cărți. După școală, am mers la colegiu, unde am avut ocazia să lucrez la PC-uri pentru prima dată. În timpul studiilor, am excelat în domeniul IT. lar, în ultimul an de studiu, aflu că un profesor de informatică din satul meu a demisionat, iar școala caută un profesor nou. Ceea ce m-a încurajat să candidez iar după prima lecție, am fost 100% convins că aceasta este profesia mea. Din 2019 activez în Liceul. A. S. Puşkin din mun. Bălţi. Odată cu participarea liceului în proiectul "Tekwill în Fiecare Școală" am devenit extrem de interesat, de toate cele 3 cursuri (care erau în rusă). După finalizarea acestor cursuri, elevii au decis că își doresc să studieze Web în noul an Scolar.

Primăvara aceasta, am ținut și lecții pentru copiii refugiați din Ucraina. Deoarece vârsta copiilor era diferită de la 7 la 12 ani, alegerea subiectului a căzut pe designul grafic. Beneficiarii au fost foarte interesați și, în ciuda situației dificile, le-a plăcut fiecare lecție.

### Tekwill Academy - courses and lifelong technical training





Tekwill Academy helps bridge the gap between what is learned in IT education and what is necessary in the industry, focusing on developing practical skills, demanded in this highly competitive field.



- Cyber Security and Networks
- Java Fundamentals
- SQL Fundamentals
- Web Development
- Python Fundamentals
- DevOps Engineering
- Machine Learning
- Test Automation

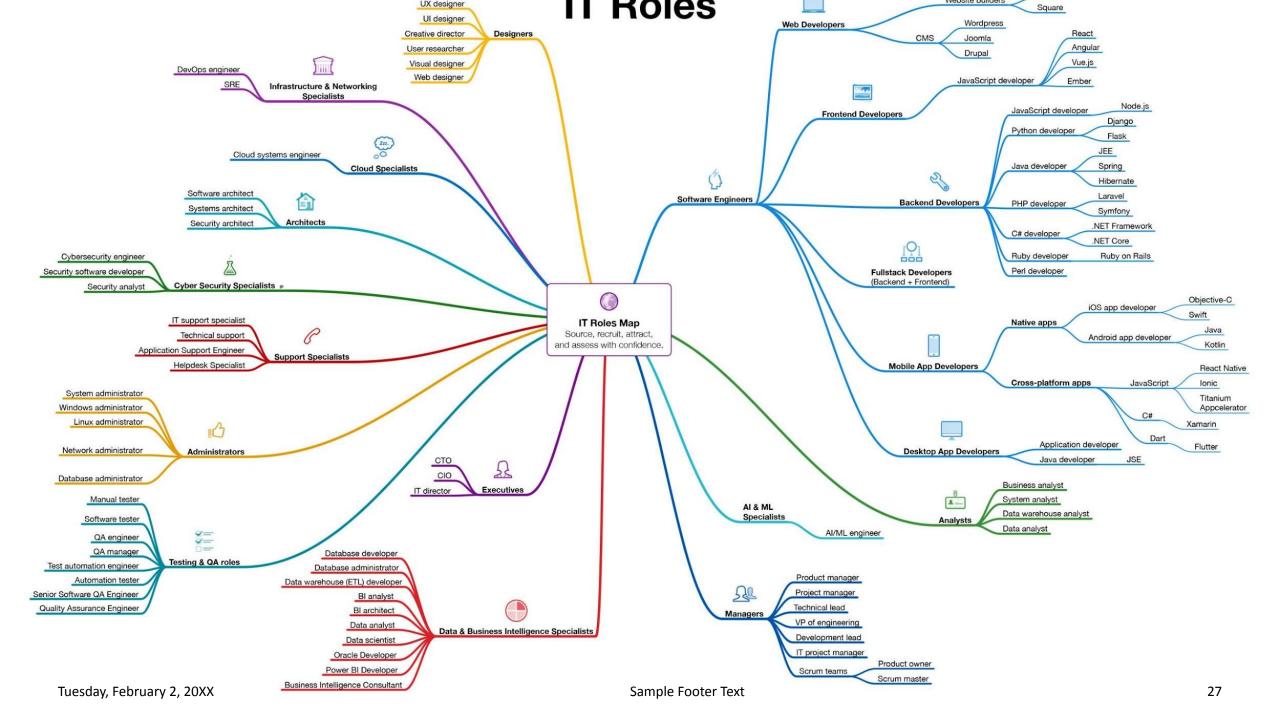
1500 graduates, 5000 participants of webinars and workshops

760 Enterprises benefited from workforce development programs

7,555 beneficiaries of an ICT career guidance programs

4 Regional offices on the Tekwill Academy map

Upskill & Internship Program Partnerships



### Tekwill Academy

### Kide

- 4 Regions on the TAK map,
- **3 locations in Chisinau**
- 9,000 participants who shaped their skills for a technological future
- 43 exceptional training programs
- 14 online interactive programs developed
- 20 thematic camps, 32 STEAM workshops
- 558,000 hours of training
- 38 mentors and team members



**Re-approachin** • Fun Mats g school objects

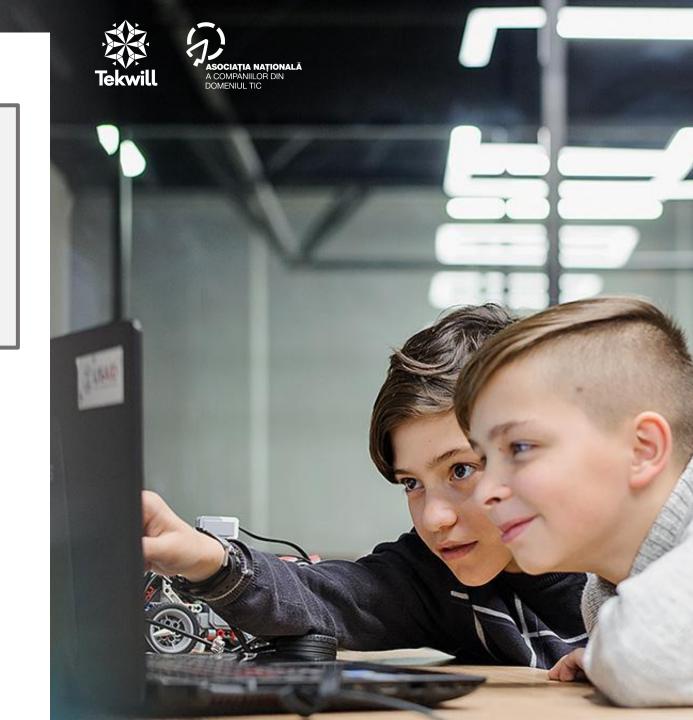


Ingineering



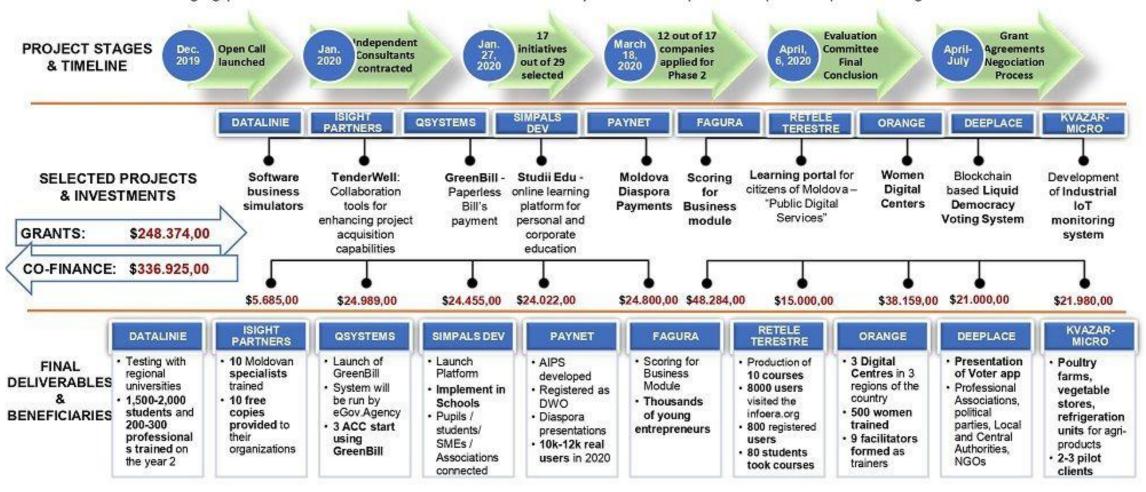


- **Interactive Programming**
- After School
- Robo Maker
- Junior Engineer
- Young Mechanic
- Smart Lab
- Fundamental Computer Science
- Game Development
- Mobile Application
- IOS & Pi-top
- Photoshop
- Design Grafic



#### PRIVATE SECTOR ENGAGEMENT INITIATIVES

encouraging private initiatives oriented towards the human capital and entrepreneurship development at regional level



### Tekwill Ambassador Program UTeach

Sistem inteligent de cultivare a culturilor agricole "farmbot"





Interfața grafică de comanda

#### Objective:

Diversification and adjustment of ICT education to the current requirements and trends of the industry.

#### **Universities:**

Technical University of Moldova State University of Moldova State University from Comrat

#### Grants:

2018 – 9 grants

2020 – 13 grants

2021 - to be continued

generating, piloting, and implementing new ideas for both the local and global



45,300 beneficiaries of 1,324 products and teams supported

600 SMEs trained in digitization & e-commerce: **DIGITAL UPGRADE** 

8 digital solutions & training programs via **DIGITAL IMPACT** 

50+ programs & 7,000+ participants via **Tekwill Ambassadors** 

30+ beneficiaries through **Tekwill Travelers**, 2018-2020 editions

112 startup projects displayed in **Startup Moldova Database** 

Startup Talks, Share Breakfasts/ Tech Coffee, Webinars

#### BUILDING SYNERGIES BETWEEN THE IT AND NON-IT:

**AgTech**: AgTech Lab, AgTech Hackathon, Accelerator& Demo Day by Technovator, AgTech Conference by Agrobiznes, AgTech Academy, 1st, 2nd editions

PowerTech: PowerTech Lab, Moldova Power Hackathon,

Accelerator & DemoDay

FinTech: FinTech Moldova 2021 Hackathon, Accelerator,

Demo Day, Conference, Webinars

**EdTech**: Startup Academy UNI 2nd edition in 8 Universities,

Startup School in Balti and Cahul.

**Health Tech**: HealthTech 2021 Hackathon, Accelerator, Demo Day

**Wine Tech**: 1st Wine Tech Accelerator & Demo Day **E-Commerce**: e-Commerce Bazaar 8 editions, XY

E-Commerce Incubator

XV Accolorator nowared by Takwill 4 hatches

### TEKWILL & Startup Moldova major events

"Moldova ICT Summit 2021: The Future of Digital" – the 10<sup>th</sup> edition highlighted the new directions and strategies for the digital transformation of several critical areas for the Republic of Moldova, by applying global trends, stimulating digital innovation and attracting investment (with a total outreach of 70.000+ views).

Startup Moldova Summit 2021 - ensured the connection of all actors in the startup ecosystem, offering them a platform for communication, interaction, exchange of experiences and resources, in order to expand their business and become as competitive as possible, including internationally.

Startup Week Moldova 2020- five full days of online-based entertaining entrepreneurial events with local and international speakers and stories of flourishing startups: GOV4STARTUPS, Startup Showcase, Matching Day, Verticals Day, Corporate Innovations Day.

**Startup Weekend Moldova, 10<sup>th</sup> edition** – a mighty opportunity to test startup ideas, meet potential co-founders, build the community and launch a startup.

"Diversity, Equity and Inclusion in the IT Community" – the event carried out on the Tekwill Facebook page included a series of webinars, masterclasses, and expert presentations with representatives of the ATIC, IT Park Moldova, counting 7 private sector partners, startups and Nations, inviting 19 speakers local and international speakers

**Tech Women Summit 2021**- discussed the stories of women who have performed spectacularly in the IT field, the industry news, the success stories of professionals from abroad, held training sessions and workshops.

Online Seedstars Chisinau Competition 2020/21- with a total outreach of 7,000 attendants.





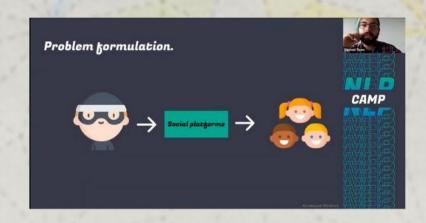




Sigmoid - 5.04 - 29t.05.2021 - Natural Language Processing Camp (Online)

Dreamups - 21-23.05.2021 - Hackathon: Inovatie pentru munca la distanță (Online)

Dimgan Service SRL - 01.05.2021 - 31.01. 2022 - Digital Media Course - Bold School (Online)







Powered by:



Supported by:







a rămâne în Moldova

Pregătiri pentru universitate și stimulări pentru

Elevi de liceu (<18)

- Tekwill Academy Kids
- Tekwill în fiecare școală

Studenți (18-22 ani)

- Training-uri și practici pentru inspirarea potențialilor antreprenori

- Tekwill Academy
- Startup Academy

Forța de muncă/Adulți (22-33 ani)

Dezvoltarea fortei de muncă și încurajarea antreprenoriatului

- Shared Breakfast
   Startup Academy
- Webinare
   Startup Weekend

Startup-uri în stadii incipiente (<10 angajati)

Accelerare

- Startup Club Tech Village
- Acceleratorul XY
   Upcelerator

Seria A < startup-uri (>15 angajati)

Investiții

Traking
 1-la-1
 Finanțare



Arhitectura piramidală a antreprenoriatului

## DIGITAL IMPACT

**Supporting Industries** 



#### Supported by:





#### Powered by:



#### Partners:

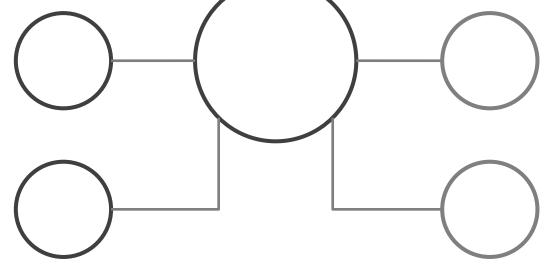






#### **BeeProtect**

Platformă online care va avertiza apicultorii despre timpul și locul aplicării insecticidelor



### Biblioteca Agro

Este o biblioteca I pe care vor fi accesibile informații, broșuri, videouri elaborate de organizații și proiecte de asistență în domeniul agricol.

#### Turism

Vitrină digitală care are drept scop promovarea destinațiilor și atracțiilor disponibile în Moldova

#### Fashion

Platformă destinată informării consumatorului local dar si din afara RM referitor la toate brandurile autohtone.

# AgTech Moldova 2021

AgTech AgTech AgTech Academy I Conference Academy II Nov - Dec, 2020 2-3 Martie, 2021 April, 2021 30 participanti Peste 5000 de 30 participanti vizualizări

Supported by:





Powered by:





Implemented by:



# FinTech Moldova 2021

Powered by:







ACCELERATOR from May 10

CONFERENCE October

Implemented by:

Supported by:







TECH WOMEN MOLDOVA

- public association
- 20 active members
- 40+ events organised
- 2000+ beneficiaries
- 2 programs







# Support the Refugees Update

160 children going through Tekwill Academy Kids and Tekwill in Every School Programs 20 children come constantly for TIES programs at Tekwill (physically)

97 coworkers went through our premises

6-7 stay with us for more than one Month

Refugee Women Support Program in Design process

Partnership with BloomCoding to provide space to train another 150 Ukrainian children

Balti connected to support with premises/information/workshops and trainings for children

Negotiating to bring 100 Belarus IT People to Moldova



## **IMPACT**

5 Years of Tekwill refer to the capacity and opportunity to work together with the brightest minds and grow Moldova's economic potential through Tech.

**EU4:Startup City Cahul**Regional development
through innovations







In partnership with



Implemented by



#### 



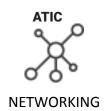


#### **Project Objectives:**

- Foster partnerships for innovation and entrepreneurship between the private sector, public sector and educational institutions in the region of Cahul.
- Promote technology, problem solving and creative solutions in learning and make STEM topics (Science, Technology, Engineering and Mathematics) more attractive for women and men, girls and boys.
- Facilitate the emergence of start-ups in innovative sectors, build their capacities

#### **Project Actitivies:**

- Support the creation of a Regional Innovation and Technology Centre in Cahul ('EU4Innovation Centre')
- Support a campaign and the development of a programme to promote technology, problem solving and creative solutions in learning and improve the attractiveness of STEM
- Developing a seed funding and acceleration programme for digital and innovative start-ups and entrepreneurs, strengthening their capacity building and investment readiness.



#### **Strategic partners:**

- European Union Delegation in Chisinau
- Swedish International Development Cooperation Agency/ Embassy of Sweden in Chisinau



#### **Cahul Based Partners:**

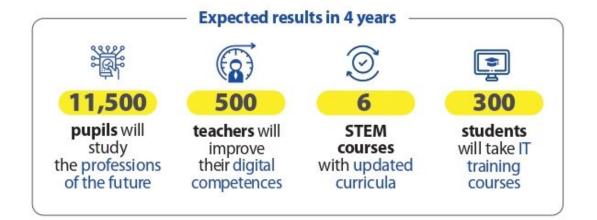
- Cahul Local Public Administration
- Cahul State University "Bogdan Petriceicu Hasdeu"

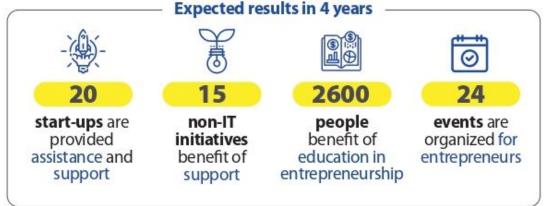


#### **Activity implementation partners:**

- Technical University of Moldova
- Educational departments (Caul, Cantemir, Leova, Taraclia)







EU4 Moldova: Startup City Cahul supports STEM education in close synergy with other existing initiatives already developed by ATIC and Tekwill.

The project is facilitating entrepreneurship development in the region by creating the conditions for initiation and development of start-ups, strengthening their capacities to develop and attract investments.





#### Regional Innovation and Technology Centre in Cahul **EU4Innovation Centre**

Places & spaces for leaning, coworking, co-planning and development, entrepreneurship & innovation

#### What was achieved:

- Technical design (architecture, design and construction specifications
- Construction permits and approvals received

#### Next steps:

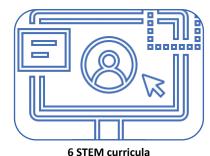
- Tender for construction
- Construction works

# STEM Education Results for 2021

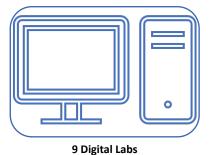


the Educational Program

from the region were contacted to



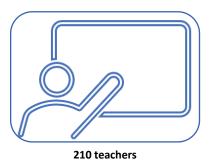
were introduced in the school program



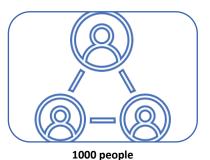
for the schools in the region



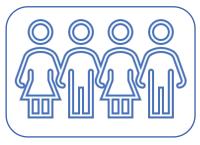
**60 computers**donated to the teachers/ schools



from the region trained on application of the ICT instruments and STEM topics



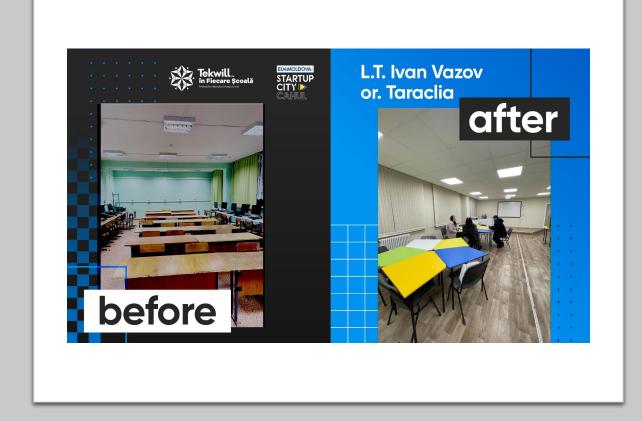
receive better career guidance in IT

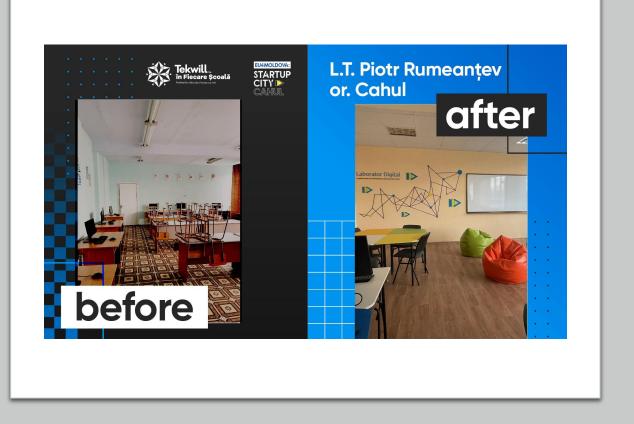


**2200 students**from the region study STEM subjects

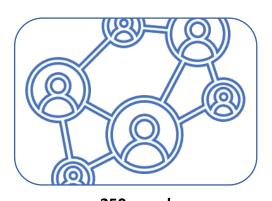


#### •What is the impact?

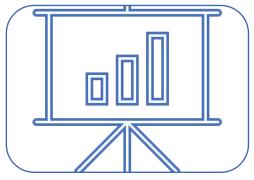




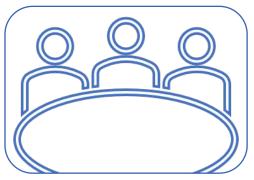
# Entrepreneurship and community results for 2021



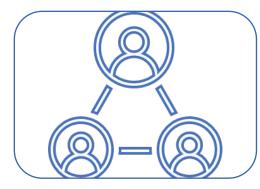
**250 people**attending entrepreneurship community events



3 Educational
Entrepreneurship Programs
organized in the region



10 Entrepreneurship Community Events



90 people
Benefited of Entrepreneurship
Educational programs













WE INSPIRE YOUNG PEOPLE TO BECOME NOT ONLY CONSUMERS, BUT ALSO MAKERS BY REALIZING THEIR OWN IDEAS AND PROJECTS IN A CREATIVE SPACE, EQUIPPED WITH MODERN EQUIPMENT

#### YMC VALUES

- Accessibility
- Flexibility
- Collaboration
- Creativity

- Innovation
- Strong community
- Mutual support
- Freedom

#### **Project name:**

Youth Maker Club

#### Funded by:

Liechtenstein Development Services

#### Implemented by:

Moldovan Association of ICT Companies

#### **Duration:**

36 months (September 2021 – August 2024)

#### **Purpose:**

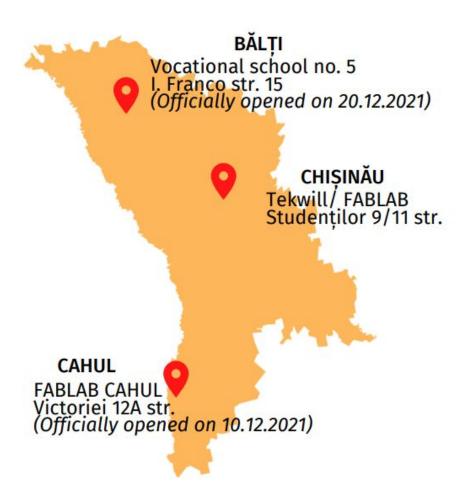
Enhanced tech skills and increased awareness about career paths in Maker/tech industry among YMC participants

#### **Beneficiaries:**

500 VET students

#### **PROJECT LOCATIONS**





#### HERE YOU CAN FIND

- receptive and open-minded mentors
- Modern equipment: CNC, Laser, 3D Printed, Arduino
- consumables
- power tools
- notebooks
- creation space
- security equipment (medical kit, fire extinguisher, etc.)
- recycling policy

#### **PROJECT TEAM**

- Project manager
- Finance officer
- Project coordinator
- Training coordinator
- Local coordinators Balti and Cahul
- 7 Mentors Chisinau
- 5 Balti Mentors
- 4 Mentors Cahul

#### YMC MAIN COURSES

- Electronics and Programming
- 3D Modeling and Printing
- 3D modeling and laser cutting
- 3D modeling and CNC machine programming



#### **ORGANIZED EVENTS (01.09.2021 - 31.12.2021)**

- 6 Information sessions (approx. 200 young people)
- 1 event: Open Day session (34 participants)
- 4 thematic courses: Electronics and Programming (30 young people), 3D Modeling and Printing (15 participants), Laser Cutting (10 participants), Custom Jewelry Making with Laser (25 people)
- 1 Mini Makethon "Making Christmas Toys" (16 young people)
- 1 Repair café (17 participants)
- 1 mentor training session (10 mentors)

357 participants

#### HOL

- YMC decoration session (10 participants)
- Official opening (20 participants)
- 4 Information sessions in local vocational schools (approx. 120 participants)

150 participants

BĂLŢI

- YMC decoration session (10 participants)
- Official opening (30 participanți)

40 participants



### **Project Partners**

#### CHIŞINĂU

- FabLab Chisinau
- Vocational School no. 3
- Vocational School no. 6
- Vocational School no. 7
- Vocational School no. 10
- Center of Excellence in Energy and Electronics
- Center of Excellence in Light Industry in Chisinau
- Center of Excellence in Informatics and Information Technologies
- Center of Excellence in Economics and Finance
- Technical College of TUM
- The Association of Electronics Companies in Moldova

#### **CAHUL**

- FabLab Cahul
- Cahul District Council
- Vocational school no. 1
- Vocational school no. 2
- Iulia Hasdeu College
- College of Medicine

#### **BĂLȚI**

- Vocational School no. 5
- Association for Development of Electronic Communications and Innovative Technologies



#### **Social Media Statistics**

**FACEBOOK** 

875 followers

799 likes **INSTAGRAM** 

899 followers TIKTOK

2687 followers

290 000 likes

#### STEERING COMMITTEE

#### TALENTS FOR MOLDOVA – SLOVAKIA FOR TALENTS

#### LABOUR MOBILITY PROGRAMME OF ICT GRADUATES













#### **ACTIVITY 1 Management and coordination**

#### Overall project coordination through

- Activity Management Plan
- Coordination meetings EMA, ATIC and DC on bi-weekly basis
- Monitoring calls with ICMPD
- Cooperation and involvement of key Slovak state institutions The Bureau of Border and Foreign Police of the MoI and Central Office of Labour, Social Affairs and Family of the MoL

#### **ACTIVITY 2 Establishment of public-private partnership**

#### Creation of partnership with companies in Slovakia

 14 companies addressed, 6 interested in further information, 5 companies confirmed their interest in the cooperation within the project - ESET, Orange Moldova, Soitron, One Simplicity, IBM

#### **ACTIVITY 2 Establishment of public-private partnership**

#### Partnership with companies in Moldova

- Since 2008 ATIC builds relations and cooperation with private sector in Moldova
- Public-private partnership established through different projects, e.g the project
   TEKWILL (Government Moldova, USAID, Microsoft, IBM)
- DigiTalents builds upon these well developed PPP relations
- MoU with Moldovan Technical University signed.

# Partnerships established



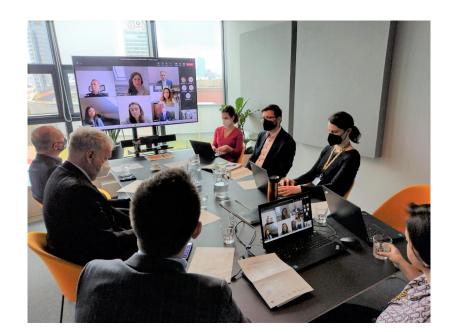


#### **Labour Mobility Programme of ICT Graduates**

#### **ACTIVITY 3 Promotion, selection, matchmaking and training in Moldova**

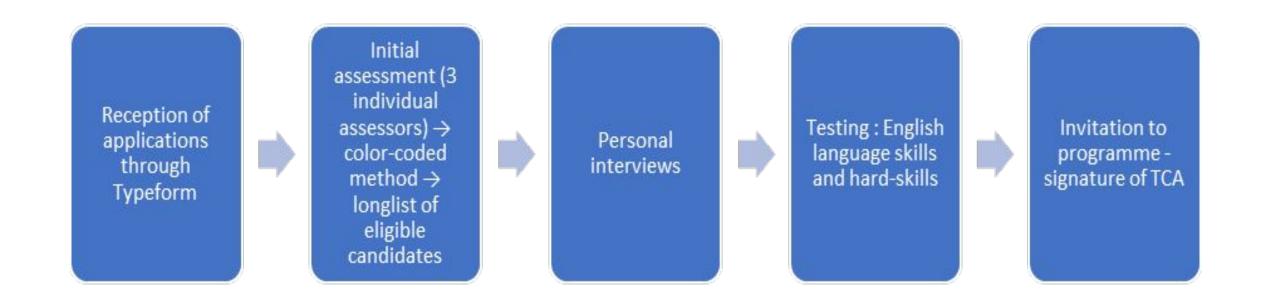
#### 2 rounds of information campaign November – December 2021 / March – April 2022:

- launching event in Moldova largely covered by national media
- social media Facebook, Instagram, LinkedIn
- IT community related to ATIC like Startup City Cahul, Startup Moldova, Tekwill
- online and offline information seminars
- dedicated project website
- email marketing focused on 4 universities
- interviews in national media
- paid articles



#### First round of information campaign November - December 2021

- deadline for applications to the programme in the 1<sup>st</sup> round of selection process 31<sup>st</sup> December
   2021
- pre-selection process based on fulfillment of administrative criteria launched upon closure of the first round of IC
- 19 applications in total, 13 candidates met the pre-selection process criteria
- 5 candidates were selected for the programme and 4 of them signed the tripartite agreement



#### Second round of information campaign March – April 2022

- acceptance and pre-selection of applications to the programme on a rolling basis
- 44 applications received so far in the second round
- first group of 29 aplications assessed by 15th march, 4 successful candidates selected

#### **Matchmaking with companies**

- Candidates are offered to individual companies based on their skills and professional experience.
- First candidates offered to company ESET, interviews will be held in 2 following weeks.

**Labour Mobility Programme of ICT Graduates** 

#### **ACTIVITY 3 Promotion, selection, matchmaking and training in Moldova**

#### **Talent Incubator I (in Moldova)**

- English and Slovak language courses before departure to Slovakia
- ICT trainings Soft and hard skills based on the individual participant's profile
- Delivery of courses to first group of participants in April

#### **Pre- departure orientation and departure logistics**

- Pre-departure orientation material developed in form of information brochure for participants
- Content of the brochure:
- obligatory documents to be collected before departure to Slovakia
- relocation logistics to Slovakia
- administrative processes related to residence and employmnet permit
- accommodation, health care, finance and living costs

Pre-departure sessions will be delivered to participants before to Slovakia during their training process in Talent incubator I



First coordination meeting in Bratislava 3-4 August, Project team EMA, ATIC, DC.

#### Thank you!



What else did we do during 2021?

#### What else?

#### **MEMBERSHIP**

- Tekwill beneficiaries convinced to become ATIC members
- Strategic Plan support
- ICT Sector White Book support

#### CAPACITY BUILDING

- Human Resources Manual
- Duty Travel Manual
- Financial Policies
- Anticorruption policies
- Asset Management policy
- Procurement policy
- Audit policy
- Subawards manual
- New positions fulfilled (36 people on payroll by end of 2021)

#### INTERNATIONAL & PARTNERS

- Negotiated Digital SME Alliance membership
- Strategeast
- Supported ATIC membership within Digital Europe, EuroISPA

