Brazilian-Czech joint R&D call for proposals 2021 webinar (EMBRAPII/SENAI/TA CR)

29. 3. 2021

Tana Halova Perglova - The Technology Agency of the Czech Republic (TA CR)

Katerina Feiglova - The Technology Agency of the Czech Republic (TA CR)

Denise Neddermeyer - The Brazilian Agency for Research and Industrial Innovation (EMBRAPII)

Aline Viotti Bäuerle - National Service for Industrial Training (SENAI)

Agenda

- Welcome and introduction (5 min)
- Presentation of specific requirements for 3rd call for proposals (20 min)
- Presentation of a matchmaking tool (5 min)
- Presentation of a running project - example of good practice (10 min)
- Pitch presentations (20 min)
- Questions & answers (30 min)

BRAZILIAN-CZECH JOINT CALL FOR PROPOSAL

overview

Priority areas of research

Priority areas of cooperation:

- **Hydrogen**
- **Recycling & Waste Management**
- **Mobility and Logistics**
- **Artificial Intelligence**

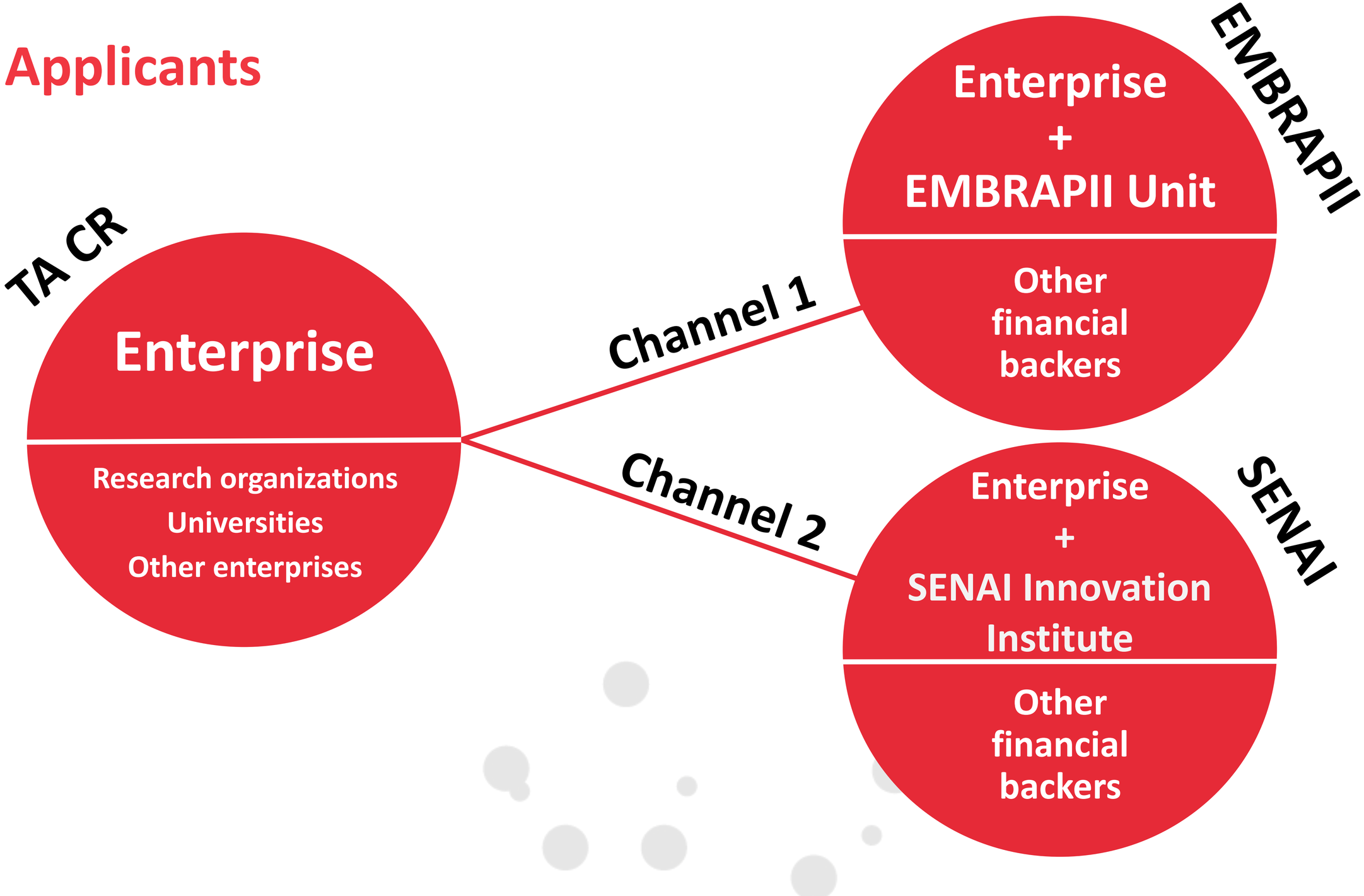
Projects proposals from other areas are also welcome!

TA CR does not support defence and medical research!

Preliminary schedule

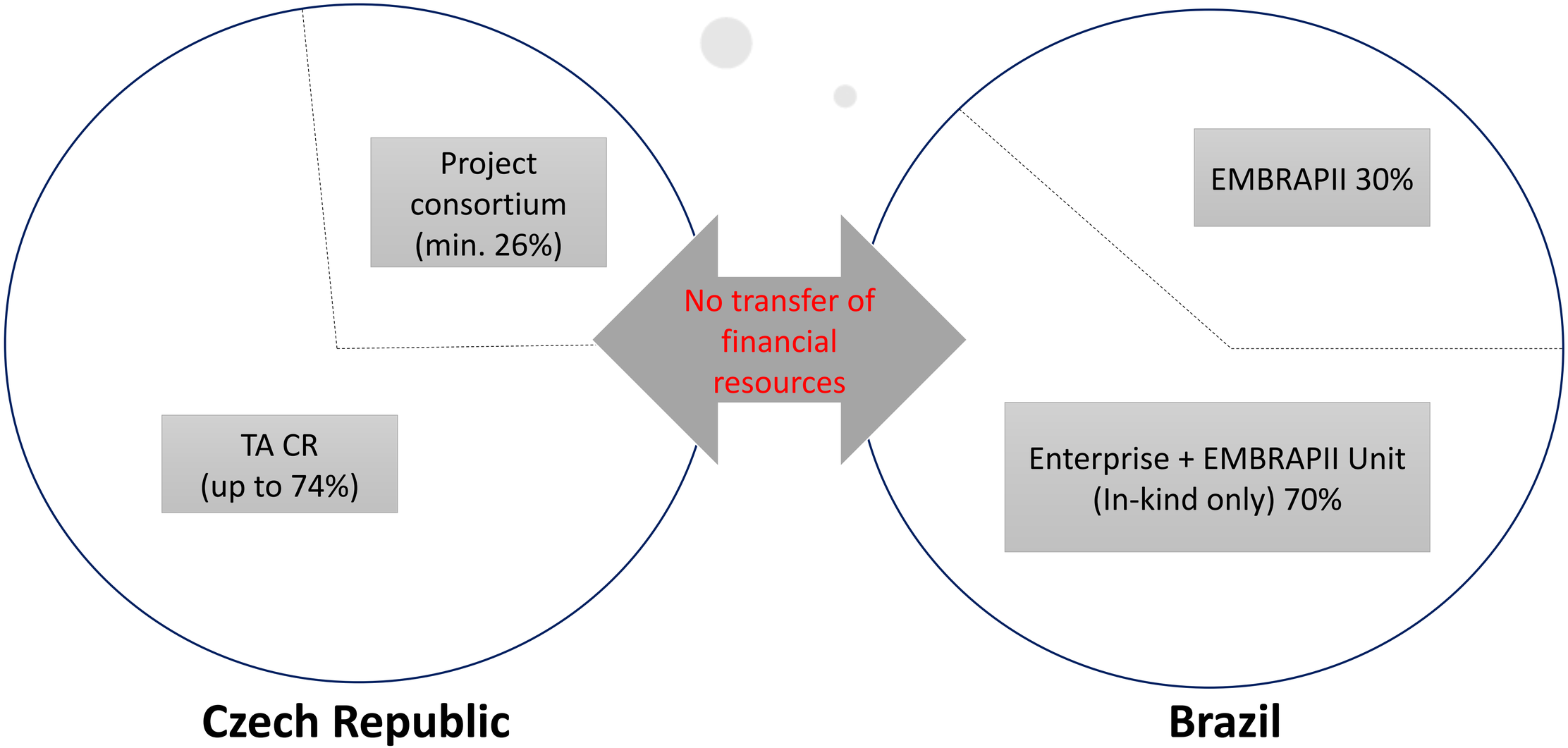
3rd Joint Call for Proposals	
Launch of the call	12 May
Project submission	13 May - 14 July
Evaluation period	15 July - 29 November
Results' announcement	30 November
Obligatory start of projects	January 2022 - March 2022
Project length	12 - 36 months

Applicants


TA CR
Enterprise
Research organizations
Universities
Other enterprises
Channel 1
Channel 2
EMBRAPII
Enterprise
+
EMBRAPII Unit
Other
financial
backers
SENAI
Enterprise
+
SENAI Innovation
Institute
Other
financial
backers

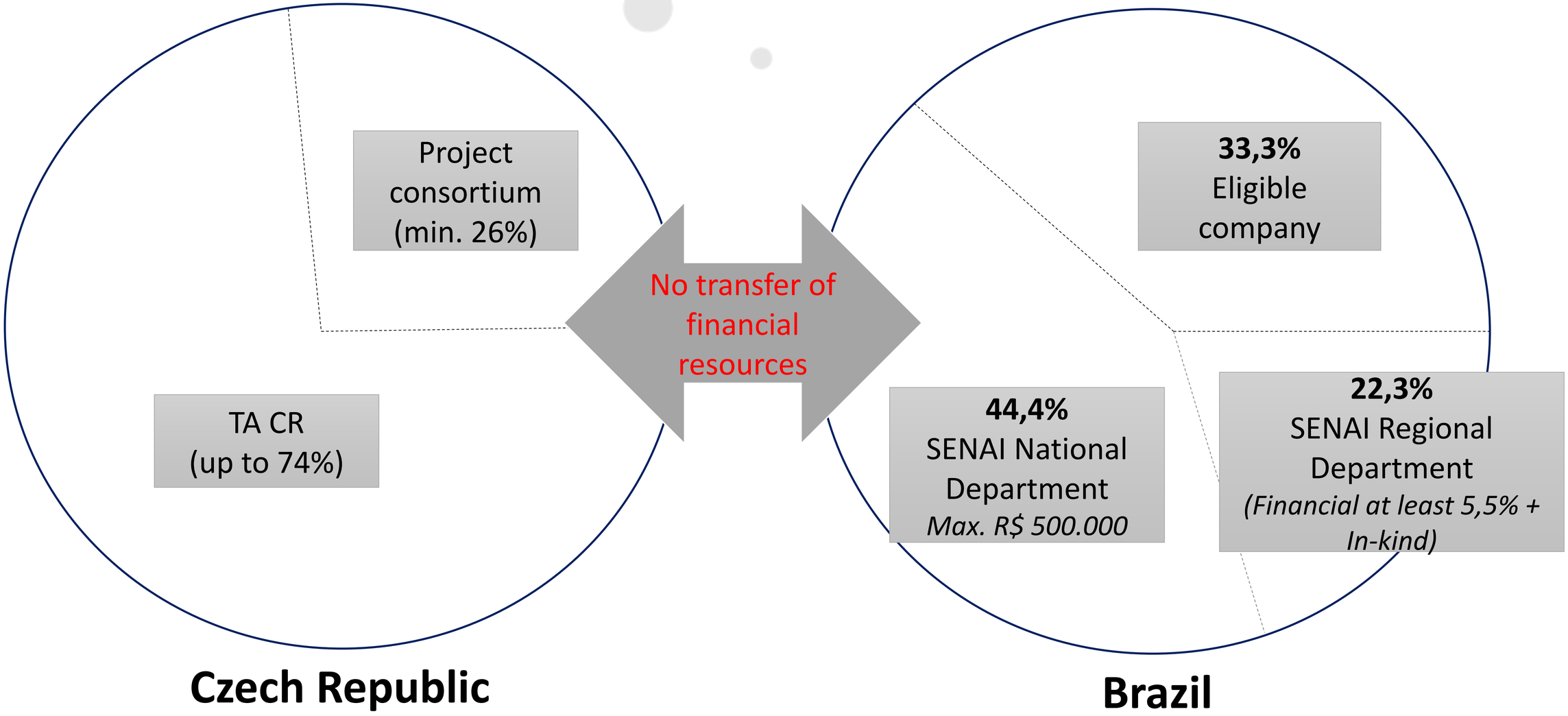
FUNDING SCHEME

Funding scheme: TACR - EMBRAPII



TA CR & EMBRAPII will fund the respective nationals in the selected consortia in accordance with their national funding rules.

Funding scheme: TACR - SENAI



TA CR & SENAI will fund the respective nationals in the selected consortia in accordance with their national funding rules.

Funding scheme - TA CR (Delta 2 Programme)

- Total expenditure: 300 mil. CZK (13,4 mil. USD)
- Maximum amount of funding per project: not set
- Maximum funding intensity per project: up to 74%

	Industrial research		Experimental development	
Type of applicant	Max. allowable aid intensity	Max. allowable aid intensity with demonstrated effective collaboration with a research org.	Max. allowable aid intensity	Max. allowable aid intensity with demonstrated effective collaboration with a research org.
Small enterprises	70%	80%	45%	60%
Medium enterprises	60%	75%	35%	50%
Large enterprises	50%	65%	25%	40%
Research org.	100%	-	100%	-

* The aid intensity (%) of a project is the ratio of funding amount to the total eligible project costs.
* The aid intensity (%) of an applicant or project partner is the ratio of the amount of its funding to its total eligible costs.

Funding scheme - EMBRAPII

- Eligible for this channel: all 61 EMBRAPII Units + 15 EMBRAPII Units that are also SENAI Innovation Inistitutes
- Total expenditure: There is not a fixed amount for this call. However a balance among the participants’ share is recommended.

Funding scheme - SENAI

- Eligible for this channel: all 27 SENAI Innovation Institutes among them 15 SENAI Innovation Institutes that are classified EMBRAPII Units
- Total funding amount SENAI National Department for this channel: R$ 2 000 000 (360 960 USD)
- Maximum allocation per project from SENAI National Department: R$ 500 000 (90 239 USD)
- Maximum funding intensity per project: 44,4%
- Will be complemented by funding through SENAI Regional Department by at least 22,3% for each project (funding is in-kind and financial)

APPLICATION & EVALUATION PROCESS

Submission process

TA CR

Submission of the project proposal via ISTA (electronic system)

Compulsory annexes:

- Sworn statement of the applicant
- Common proposal
- Annexes connected to project results

Deadline: 14. 7. 2021

EMBRAPII (Channel 1)

EMBRAPII Units that are **SENAI**: the application should be submitted in accordance with the SENAI application system;

EMBRAPII Units that are **not SENAI**: There is no form or application to be submitted. The negotiation of the project must be done directly with the EMBRAPII Unit that will develop the project. Then EMBRAPII Unit will insert the information into SRINFO System of EMBRAPII.

Deadline: 14. 7. 2021

SENAI (Channel 2)

Submission of the project proposal via Innovation Platform (on the SENAI site) preferably in English by Innovation Interlocutor from SENAI Regional Department

Compulsory annexes:

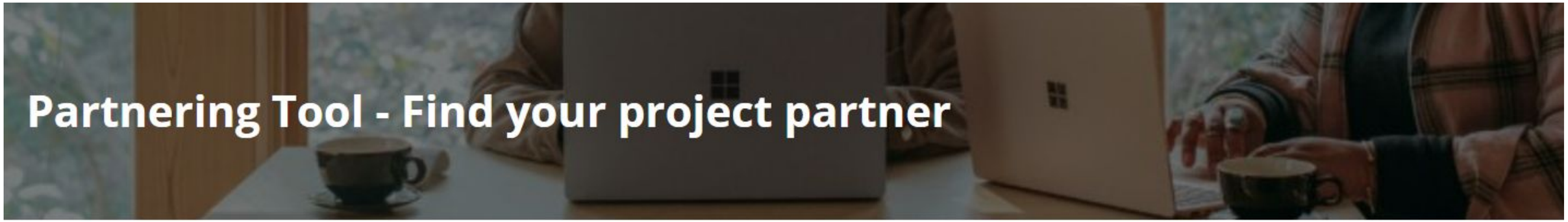
- Confirmation of the intl. partner
- Letter of intent for each company or other participating funding backer

Deadline: 14. 7. 2021

The application must be approved both by TA CR and EMBRAPII/SENAI to receive funding!

HOW TO FIND YOUR MATCH?

TACR Partnering Tool



If you are interested in finding a suitable foreign partner or you would like to offer your cooperation, use the buttons for registration.

Post a Partner Request

Post a Partner Offer

I am developing/have developed a project idea and I am looking for a partner.

I wish to offer my services to a project team in specific areas of research and development.

TA CR

DELTA 2 PROGRAMME CONTACT POINT

Ms. Kateřina Feiglová
International Cooperation Coordinator
katerina.feiglova@tacr.cz

Website:
https://www.tacr.cz/

DELTA 2 Programme:
https://www.tacr.cz/en/delta-2-programme/

For your questions:
https://helpdesk.tacr.cz/

EMBRAPII

EMBRAPII CONTACT POINT

Ms. Denise Neddermeyer
coop.czech@embrapii.org.br

Website:
www.embrapii.org.br

SENAI

SENAI INNOVATION PLATFORM CONTACT POINT

Ms. Juliana Velasques de Melo Oyama
Technical Advisor
juliana.oyama@senaicni.com.br

Ms. Aline Viotti Bäuerle
International Cooperation Coordinator
aline.bauerle@sesicni.com.br

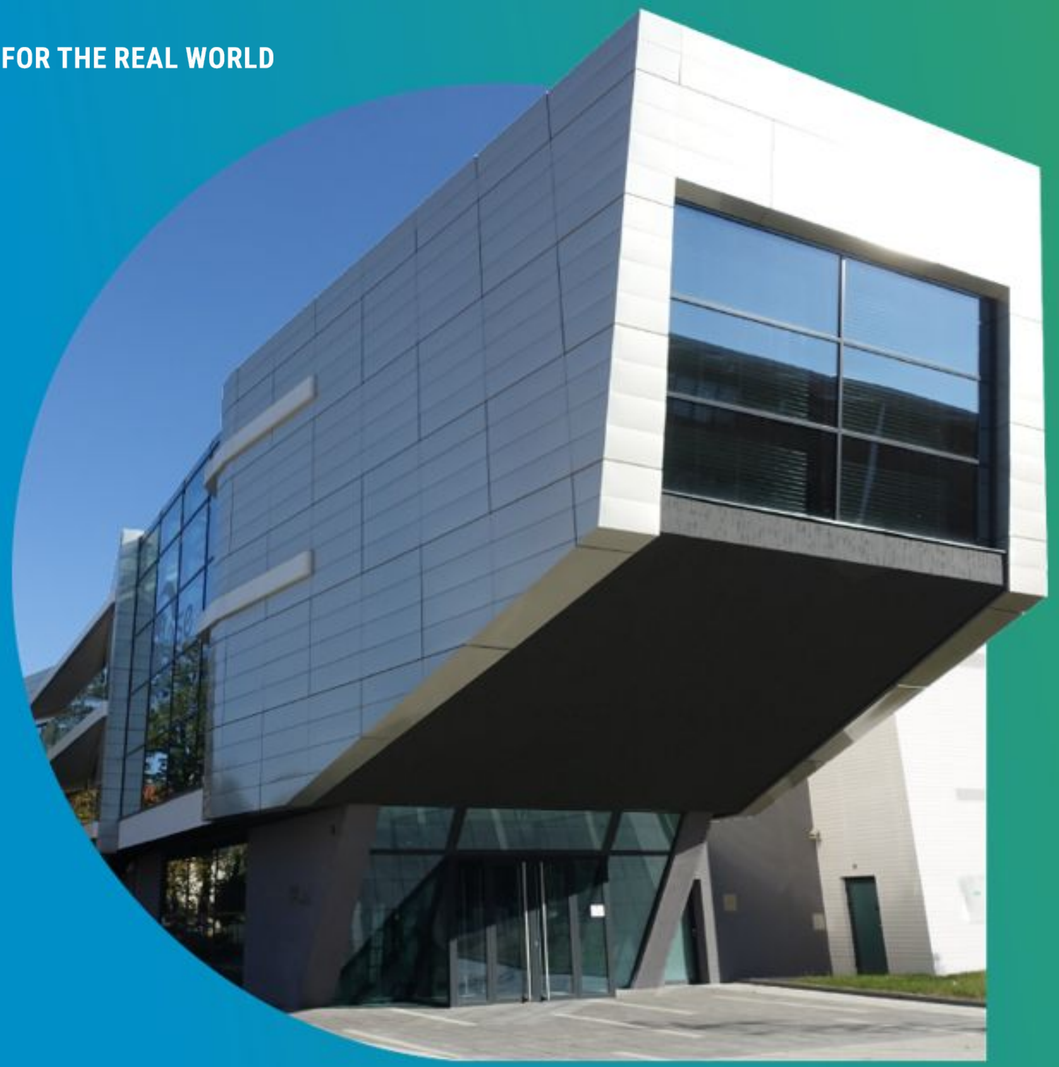
Website:
www.plataformainovacao.com.br

PRESENTATION OF A RUNNING PROJECT

Development and Optimisation of Laser-Based Additive, Subtractive and Transformative Platforms for the Tooling Industry

Speaker: Jan Brajer

SUPERLASERS FOR THE REAL WORLD



Delta 2 - DOLASTOOL

Jan Brajer
HiLASE Center

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 739573 (HiLASE CoE)

EUROPEAN UNION
European Structural and Investment Funds
OP Research,
Development and Education

Science and Technology Facilities Council

Delta 2 - DOLASTOOL

1 TUPY

2 welle laser technology

3 FIESC SENAI

EMBRAPII

4 SHM SUPER HARD MATERIALS | PRŮMYSLOVÉ PVD POVLAKY

5 hilase

6 INSTITUTE OF THERMOMECHANICS OF THE CAS, V. V. I.

T A
Č R
Technologická agentura České republiky

Delta 2 - DOLASTOOL

- Development and Optimization of Laser-Based Additive, Subtractive and Transformative Platforms for the Tooling Industry (DOLASTOOL)
- CZE 1.1.2020 – 31.12.2022
- CZE – 870 000 USD

- BRA 1.7.2020 – 30.6.2023
- BRA – 360 000 USD

Subtractive and Transformative Laser Manufacturing

LST

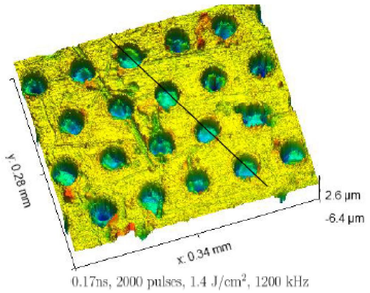
- Metallic materials
- Controlling friction forces
- Controlling wettability
- Controlling adhesion forces
- Controlling optical properties

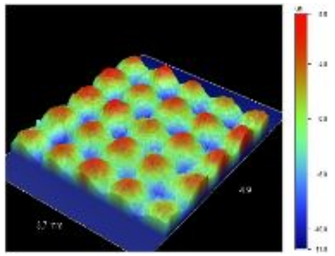
LSP

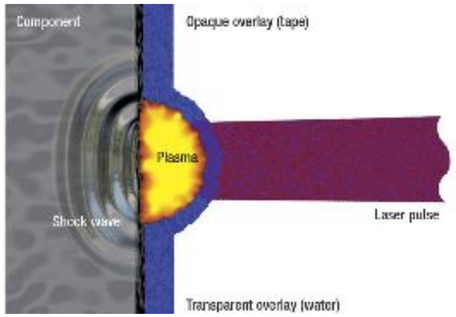
- Metallic materials
- Compressive residual stress
- Controlling Corrosion resistance
- Controlling fatigue resistance
- Controlling mechanical properties

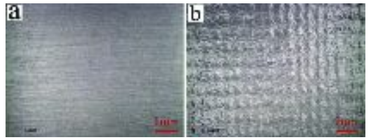
End-effector

- Industrial class closed machines
- Robotic arms









Q & A

- How was the partnership established?
- How did you choose the project partners?
- Why did you decide to work with Brazil?
- How does an international partnership work for you (even with regard to the current situation)?
- How do you have tasks divided with your partners and how do you communicate their fulfillment together?
- What does international cooperation bring you?
- What is the most difficult part of international cooperation?

"lessons learned"

- Brazilian partners and especially SENAI is very well developed.
- Brazilian industry needs are very similar to Czech.

Conclusion

- Great opportunity to work on international project
- Complementary in research and no competition in production

THANK YOU!

Jan Brajer

Industrial laser applications

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This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 739573 (HiLASE CoE)

EUROPEAN UNION
European Structural and Investment Funds
OP Research,
Development and Education

Science and Technology Facilities Council

HiLASE Centre | Institute of Physics of the CAS |Za Radnici 828 | 25241 Dolni Brezany | Czech Republic

PITCH PRESENTATIONS

PrimeCell Bioscience Inc.
SENAI Innovation Institute in Electrochemistry
University of West Bohemia - Regional Technological Institute
ISI for Advanced Materials
Červenka Consulting s.r.o.
SENAI Institute of Embedded Systems
SENAI Institute of Innovation in Polymer Engineering
Gauss Algorithmic
SENAI Innovation Institute for Information and Communication Technologies
Czech University of Life Sciences

PrimeCell Bioscience Inc.

Description of your organisation

PrimeCell is the biotech company focusing on discovering and clinical testing of biological drugs and medicinal technologies, which are changing genes´ and cells´ parameters to support regeneration of human tissues and organs. A separate direction is the development of innovative methods, materials and procedures enabling preclinical and clinical testing of modern technologies.

Research areas

- Biomaterials
- Innovative medical technologies
- Gene manipulation
- Protein based research
- Cell manipulations
- Tissue based research

Specify your cooperation interest / Description of your partner of interest

- Development & transfer of know-how
- Translation of know-how toward product
- Regulatory affairs support
- Investment to IPR
- Clinical research (academic/commercial clinical trials)

Keywords

Cell-based products, R&D, Translational research, Biomaterials, Biotechnology, Regulatory support

Contact info

PrimeCell Bioscience Inc.

The biotechnological company

www.primecell.eu

Czech Republic, Ostrava

Serhiy Forostyak, MD., PhD., CSO

E-mail:
serhiy.forostyak@primecell.eu

4Medical Innovations

- GMP manufacturing
- in-house GMP laboratories
- in-house R&D
- in-house CRO and regulatory
- in-house Cell & Tissue bank

PRIMECELL BIOSCIENCE –

Science that becomes medicine

Senai Innovation Institute in Electrochemistry

Description of your organisation

- 2.400 m2 of applied R&D&I Facilities
- More than 70 researchers (PhDs, MScs, Engineers)
- US$ 5 Million state-of-art research infrastructure
- US$ 5 Million active project portfolio

Research areas

- Smart Energies
- Smart Material
- Smart Biosensors

Specify your cooperation interest / Description of your partner of interest

- Disruptive solution for energy storage
- Disruptive smart nano-structured materials
- Disruptive solution for human-health sensor kits

Keywords: Applied R&D&I, Smart Energies, Smart Materials, Smart Biosensors

Contact info

Senai Innovation Institute in Electrochemistry
Applied R&D&I Center

Website:
https://www.senaipr.org.br/tecnologiaeinovacao/nossarede/eletroquimica

Brazil

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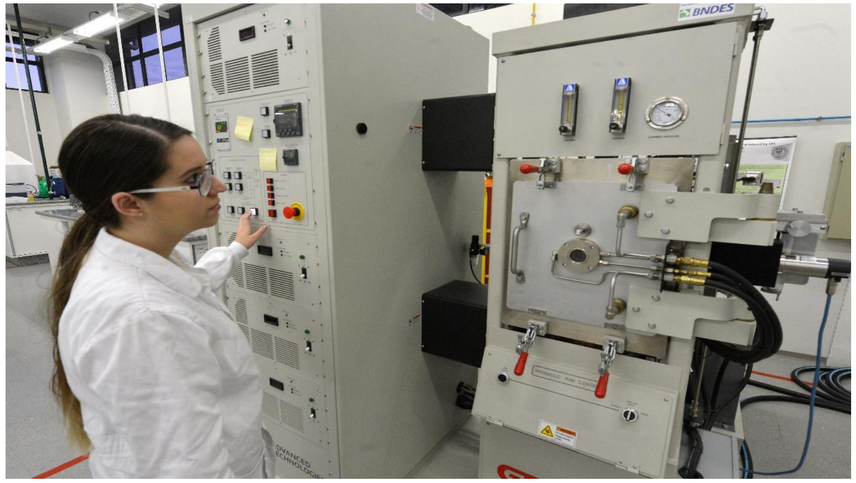


smart materials

SOLUÇÕES INOVADORAS PARA
NOVOS MATERIAIS E REVESTIMENTOS

smart energy

SOLUÇÕES INOVADORAS PARA
ENERGIAS INTELIGENTES

smart bio-sensors

SOLUÇÕES INOVADORAS PARA
SAÚDE E BIOPROCESSOS

INSTITUTO SENAI DE INOVAÇÃO ELETROQUÍMICA

University of West Bohemia - Regional Technological Institute

Description of your organisation

Engineering and technological research centre (over 100 researchers) at the Faculty of Mechanical Engineering of the University of West Bohemia. We participate in the Czech-Brasilian Exchange programe UNIGO.

Research areas

Modern Vehicle Structures and their Driving Systems
Machine Tools and their Modernization
Forming Technologies
Machining Technologies
Additive Technologies

Specify your cooperation interest / Description of your partner of interest

Participating R/D institution or university focused on mentioned topics. We are looking for a partner to joint research projects.

Keywords

Additive technologies, plastic materials, metals, 3D print of plastics-metals-composites-..., CAx technologies, virtual simulations, machining, etc.

Contact info

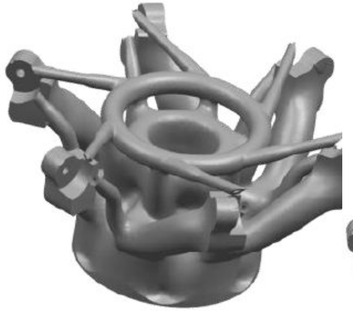
University of West Bohemia-
Regional Technological Institute
R/D institution

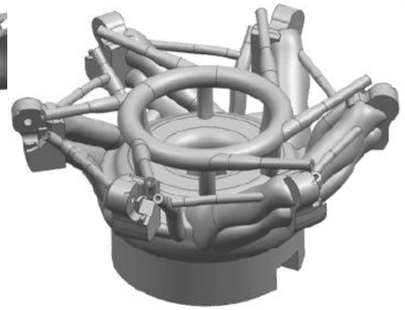
http://rti.zcu.cz/

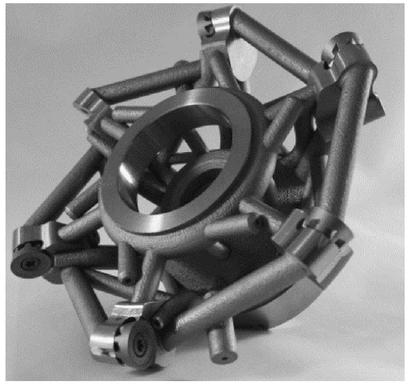
Czech Republic - Pilsen

Karel Ráž
kraz@rti.zcu.cz
+420 377 638 751

Example of research

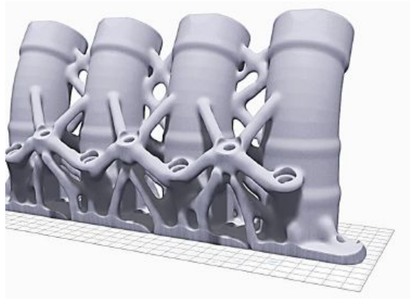


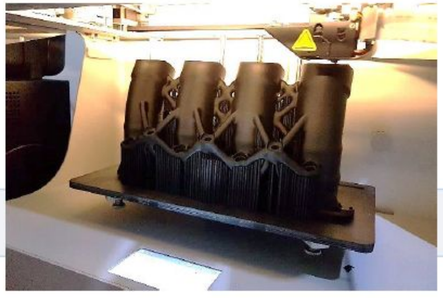




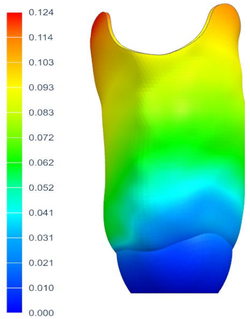
Example of patented metal-printed milling head

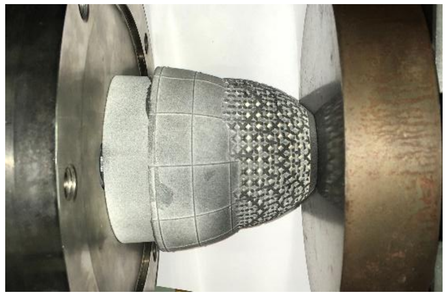
Industrial plastic and metal 3D printers (HP and EOS)



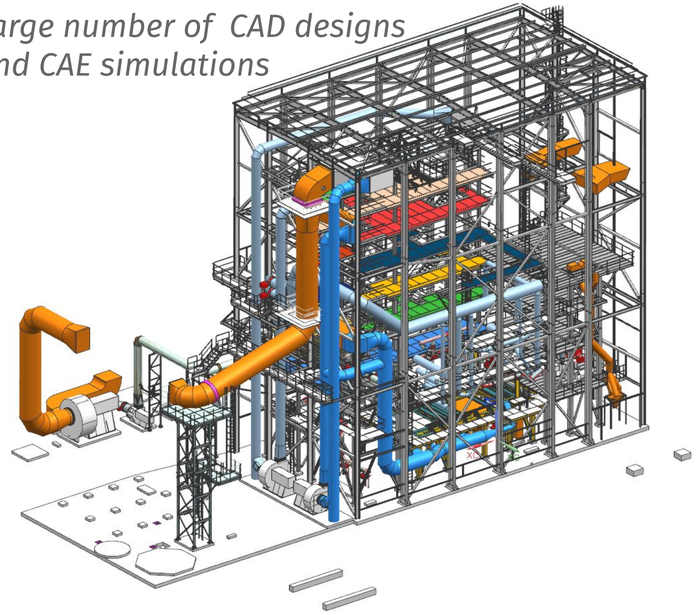


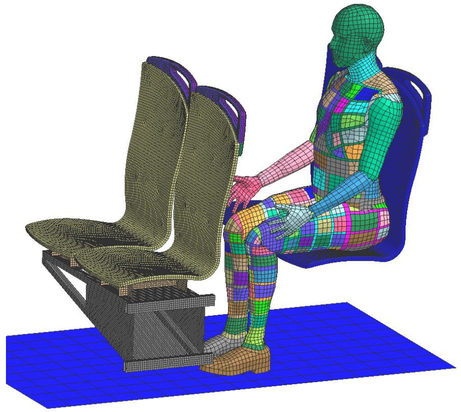
Example of plastic printed parts- exhaust manifold and protetics





Large number of CAD designs and CAE simulations





SENAI/SP – ADVANCED MATERIALS

COMPETENCY AREA

Technolgy of Sustainable Materials

- Materials & Processes
- New materials & additives
- Properties improvement
- New Uses & Applications

Focus

- Performance improvement;
- New funcionalities and properties
- Cost Reduction
- Environmental, Economical and Social Susteinability

Composites and Nanomaterials

- New Composite Materials;
- Development of Additives;
- Nanomaterial Dispersion / Scale up.
- Structural Composites
- Nanomaterials applications

Polymeric & Sustainable Materials

- Biodegradable Materials & Additives
- Renewable Sources/Ecofriendly tech
- PCR recycling
- Circular Economy
- Products Design

KEYWORDS: Composites, Nanomaterials, Polymer, Recycling, Renewable, Biodegradation

SENAI | INSTITUTO DE INOVAÇÃO

EMBRAPII
Empresa Brasileira de Pesquisa e Inovação Industrial

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📱 Celular : +55 11 98204-4793 (A)/ +55 11 94234-6457 (G)

Site: marioamato.sp.senai.br

www.linkedin.com/showcase/isi-materiaisavancados

Carlos Coelho
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Anderson Maia
anderson.maia@sp.senai.br

Gustavo Spina
galmeida@sp.senai.br

Červenka Consulting s.r.o.

Description of your organisation

Engineering company - advanced analysis of **civil engineering** (concrete) **structures**; consulting services, software development, sw products, research, educative courses and seminars

Research areas

Plain and reinforced concrete, masonry, timber - assessment of structural durability and safety;
utilization of novel materials and construction techniques in civil engineering, maintenance

Specify your cooperation interest / Description of your partner of interest

Industrial partner - civil engineering company (SME), designer/operator/owner of: transport infrastructures, offshore, energy (nuclear, wind, ...), smart city, precast production halls

Keywords

Civil engineering, concrete structures, **nonlinear FEM computer simulation**, software, digital twin;
novel materials and construction techniques in civil engineering, maintenance, structural safety

Contact info

Červenka Consulting s.r.o.
SME

Prague, Czech Republic

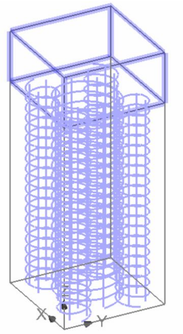
www.cervenka.cz

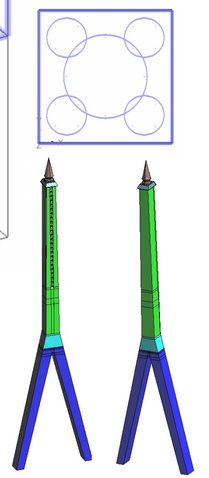
Dr. Radomír Pukl
project manager

radomir.pukl@cervenka.cz
+420 604 237 685
+420 220 610 018

We have strong contact with academy in Brazil:

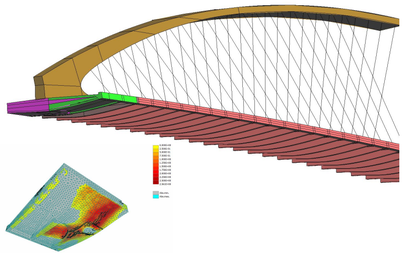
- Prof. Túlio Bittencourt, University of São Paulo
- Prof. Leandro Trautwein, University of Campinas

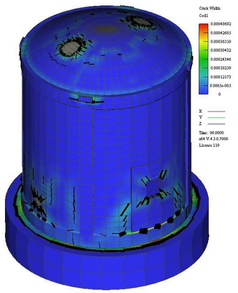


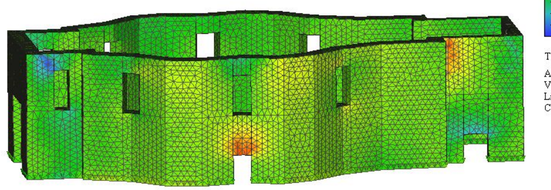


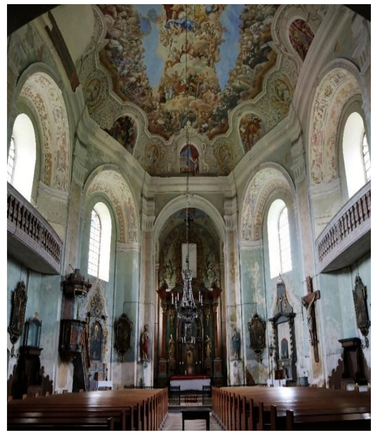
Our recent international research projects (with Germany, Japan, Taiwan, Thailand, China, Hungary, Austria, Poland, South Korea) are focused on:

- advanced design and maintenance of civil engineering structures
- optimization of precast structural parts
- high performance cementitious composites, fibre concrete
- 3D printing of concrete, non-metallic reinforcement
- phase changing insulation materials
- bridges, elevated highways, tunnels, retaining walls
- geotechnical constructions, buildings
- safety in nuclear power plant industry
- maintenance of historical heritage









SENAI Institute of Embedded Systems

SENAI Innovation Institute for Embedded Systems (ISI-SE)

is a reference in research and development to make industrial products and processes more efficient and smarter. We´re located Brazil, and our unit acts in partnership with enterprises to develop solutions that rely on software, hardware, and artificial intelligence, creating new products or processes that embrace **Digital Transformation**, **IoT**, **Industry 4.0**, **and intelligent machines** or **equipment**.
The ISI-SE offers applied research with qualified researchers and high-end technology for the industry.

Research areas

Embedded Systems including AI, Computer Vision, Machine Learning, HPC, Embedded Software, Hardware Development, Mechanical Design, Bioinformatics, and Software Development.

Specify your cooperation interest / Description of your partner of interest

To make applied research **with enterprises** on challenging topics related to the research areas.

Keywords

Embedded Systems, applied research, AI, HPC, digital transformation, IoT, industry 4.0, inteligente systems, Embrapii Unit.

Contact info

SENAI Institute of Embedded Systems
Applied Research Institute

https://sc.senai.br/institutos-senai-de-inovacao/sistemas-embarcados

Brazil

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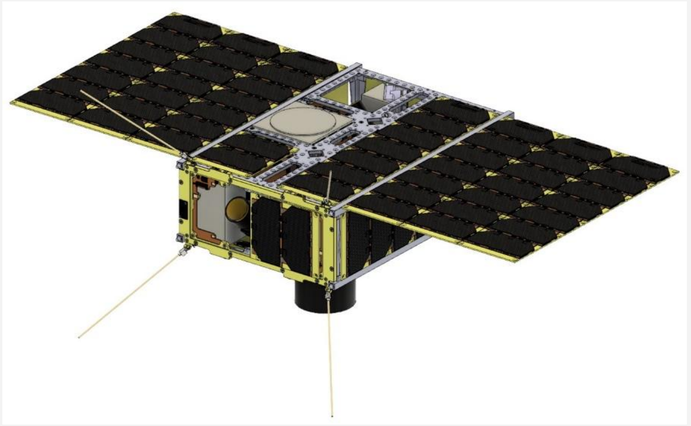
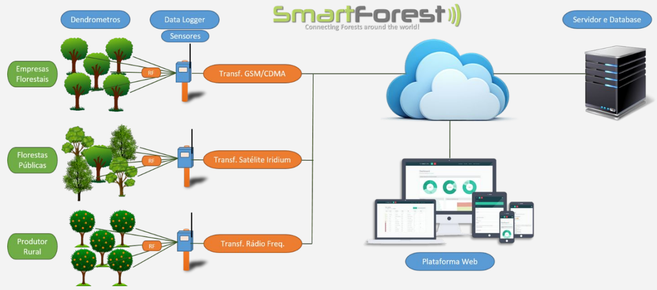
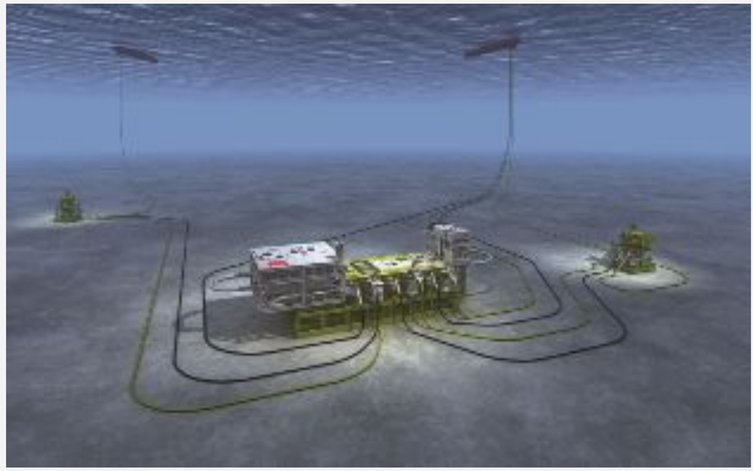
Cases







EMBRAPII AI Network

UNIDADES EMBRAPII DA REDE

GPAI / THE GLOBAL PARTNERSHIP ON ARTIFICIAL INTELLIGENCE

LEI DE INFORMÁTICA

EMBRAPII
Empresa Brasileira de Pesquisa e Inovação Industrial

BNDES

Finep
INOVAÇÃO E PESQUISA

anp
Agência Nacional do Petróleo, Gás Natural e Biocombustíveis

ANEEL
AGÊNCIA NACIONAL DE ENERGIA ELÉTRICA

ROTA 2030

EDITAL DE INOVAÇÃO PARA A INDÚSTRIA.

Institute SENAI of Innovation in Polymers Engineering

Description of your organisation

Our main focus is to deliver RD&I projects, besides technological consultancy, tests and calibration.

Research areas

- Elastomers
- Plastics
- Composites
- Paints
- Adhesives

Smart materials for industry 4.0

- Smart polymers;
- Nanotechnology;
- Graphene.

Specify your cooperation interest / Description of your partner of interest

Cooperation in pre competitive projects (usually TRL within 3 to 6.)

Keywords

Smart materials, polymers, plastic, elastomer, composite, paint, adhesive

Contact info

Institute SENAI of Innovation in Polymers Engineering
R&D Institute

www.senairs.org.br/institutos/engenharia-de-polimeros

Brazil

Jordão Gheller
jordao.gheller@senairs.org.br

Infrastructure

Area

- Build area: 7.000 m^2 (2 buildings)

Laboratories

- Thermoplastics, elastomers and composites processing;
- Themoplastics and elastomers recycling;
- Acelerated aging;
- Rheology;
- Physical-mechanical;
- Dynamic-mechanical;
- Chromatographic characterization;
- Chemical and compositional characterization;
- Thermal characterization;
- Microscopy and morphology;
- Biogegradation and composting;
- Packaging;
- Paints and adhesives

Research area personnel

- 63 Employes (10 PhD e 17 MSc)

Gauss Algorithmic

Description of your organisation

Gauss Algorithmic helps companies quickly adopt AI technologies, without building a team and making massive investments. We set ourselves a goal to get customers to solve a problem with AI within 3 months.

Research areas

Quality control with computer vision, Complex anomaly detection methods, Processing of unstructured documents, Natural language processing, Data quality and governance

Specify your cooperation interest / Description of your partner of interest

We are looking for partners who are considering exporing the benefits of technologies we call Artificial Inteligence. We would like to have a discussion with companies who have ideas in the are and are looking for expert validation and implementation.

Keywords

Artificial Inteligence, Predictive Algorithms, Computer Vision, Intelligent Automation

Contact info

Gauss Algorithmic
AI development and services

https://gaussalgo.com

Czech Republic

Johnson Darkwah, CEO
info@gaussalgo.com
+420 733 166 919

gauss algorithmic

Gauss is the fastest growing AI development company in CZ

Clients

mySASY

Merim Groupe

vodafone

invia

TB TATRA BANKA

Raiffeisen BANK

Slovak Telekom

CREDIT SUISSE

BURGER KING

ZOOT.

Awards

50 Technology Fast 50 2020 CZ LAUREATE Deloitte.

Laureate of the 2020 Deloitte Czech Republic Fast 50 ranking

CFO Club Excellence in Finance

ELEVATOR LAB

SENAI Innovation Institute for Information and Communication Technologies

"**Promote the competitiveness of industry through knowledge transfer, applied research and innovation**"

- One of the 27 SENAI's thematic industry research institutes: the one for ICTs
- Initiatives to accelerate Digital Transformation in all-sized Brazilian industries
- Since 2015 using software innovation as the main driver to leverage industries' productivity
- Embarked at 'Porto Digital', and acknowledged Brazilian innovation ecosystem

Research areas

Artificial Intelligence, Machine Learning, Big data and Analytics, Software Platforms, Internet of Things, Blockchain and Digital Security, 'Phygital' oriented design, Computer Vision

Cooperation interest

Co-development of software intensive solutions; building of new business models for industrial value chain; joint projects based on Industry 4.0 enabling technologies; roadmaps for seamless digital transformation; multi-part construction of secure and trusted solutions

Keywords

SENAI; innovation; information and communication Technologies; software; platforms; Brazil

Contact info

SENAI Innovation Institute for **Information and Communication Technologies**

Non-profit Institute for Research and Development

isitics.com
isi.tics@pe.senai.br

Brazil

Ernani Azevedo
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sistemafiepe.org.br
+55 81 997222077

SENAI Innovation Institute for ICTs

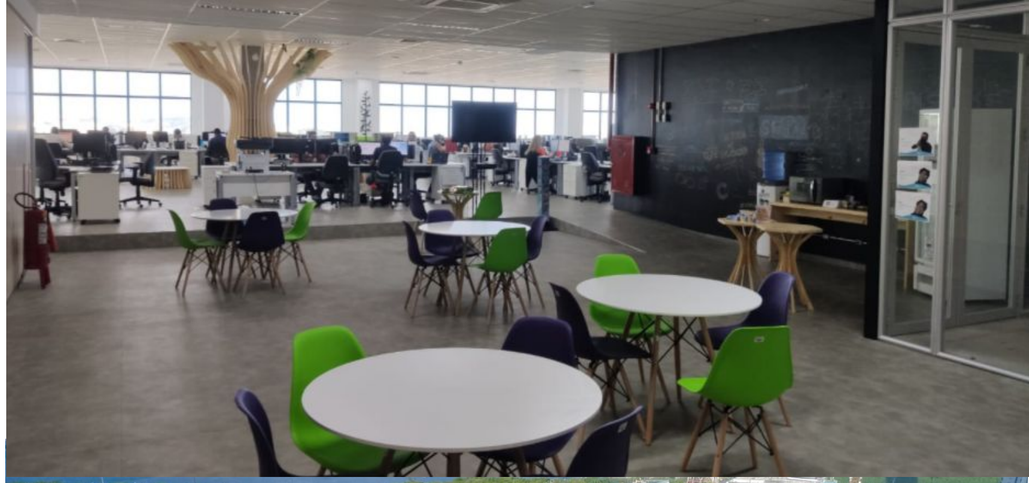
Recife – Pernambuco - Brazil

Infrastructure

- 11.000m² building (official inauguration in April 15th)
- Software Development environment (capacity: 150 people)
- 5 meeting rooms
- 3 conference rooms (reversible to an auditorium)
- Multimode (chameleon) laboratory
- *Creative prototyping, Maker room, IoT, Processing Room, Data Privacy, Electronics*
- Company spin-in boulevard
- Decompression spaces
- *Green rooftop, coffee, vídeo games, snack bar, relaxation lounges (indoor and outdoor)*

Actuation

- Demand pull open innovation
- Structuring solutions through platforms
- Technological push and Roadmaps
- Innovation habitats



Czech University of Life Sciences

Description of your organisation

The only faculty in EU focused primarly on tropical agriculture, rural development and the sustainable management of natural resources in the tropics.

Research areas

Tropical agriculture and development
In field detection of animal and plant pathogens

Specify your cooperation interest

Research institutions in Brazil, providers of veterinary care

Keywords

Tropical agriculture, veterinary diagnostics, mobile laboratory

Contact info

Faculty of Tropical AgriSciences,
Czech University of Life Sciences
public university

www.ftz.czu.cz

Czechia, EU

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mobiLAB

- box portable highly mobile laboratory for various analyses (microbiology, immunology, genetics)
- can be transported in SUV or by load bearers
- off grid operable
- suitable for use in remote areas or in areas damaged by war or natural disaster
- basic setup available for use (Zambia, Ethiopia), advanced setups under development
- www.mobilab.czu.cz

SENAI Innovation Institute for Biosynthetic and Fibers

Applied Research Institute focused on developing sustainable solutions through chemistry and industrial biotechnology using renewable and non-renewable resources for new products and processes for the industry.

Research areas

- **Biotechnology** – Renewable chemicals, Enzymes, C1 as raw materials, Agrochemicals, Synthetic Biology, etc.
- **Process Engineering & Chemical Synthesis** – Biomass conversion, CO2 conversion, Hydrogenation, Process Intensification, Biorefining, etc.
- **Fiber Technologies** – Surface modification, High Performance Fibers, Smart textiles, etc.

Cooperation interest

General: Waste valorization | Biomass conversion | CO2 conversion | Hydrogen

Biotechnology	Process Engineering & Chemical Synthesis	Fiber Technologies
Single cell protein	Lignin and sugars transformation	Natural dyes
Marine bioeconomy Technologies	Glycerin transformation	Graphene-based fibers
Biosurfactants	Process Intensification	New cellulosic fibers
New fragances		Nanofunctionalization
		Nanofibers

Keywords

Bioeconomy, Biotechnology, Chemical Synthesis, Residues valorization, Natural fibers and dyes, Circular Economy

Contact info

SENAI Innovation Institute for Biosynthetic and Fibers

Website:
https://senaicetiqt.com/inovacao/

Contact persons:

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Manager
pcoutinho@cetiqt.senai.br

Victoria Santos
Competitive Intelligence
vesantos@cetiqt.senai.br
+55-21-980517278

Advantages

- ✓ Self sustainability Vision
- ✓ Capillarity
- ✓ Intellectual Property Policy:
  IP belongs to the companies
- ✓ Project Management applied to R&D
- ✓ Milestones & Stage-gates
- ✓ Co-Criation Company-Institute
- ✓ Researchers with Industry background
- ✓ Distinctive Competences
- ✓ Distinctive Infrastructure

Market segments

Chemical, Textile, Oil and Gas, Personal Hygiene, Perfumery and Cosmetics, Lubricants, Paper and Cellulose, Pesticides, Transportation, Construction, Food e Health.