

An alliance for boosting the European Innovation in Predictive Maintenance through entrepreneurial cooperation, education, and training

PreMETS NEWSLETTER No. 2

Predictive Maintenance: Prevent, Predict, Prosper

Welcome to the second edition of the PreMETS Newsletter! We are thrilled to bring you the latest updates and exciting developments from the PreMETS community. This edition is packed with valuable information, including upcoming training materials, key events, and insightful content. Firstly we will have a glimpse at our latest training materials, designed to enhance your predictive maintenance skills. Next we will have a look at the collaboration between EIT Manufacturing (EITM) and PreMETS during the EITM Open Days. Then we will get an insider's view of the recent PreMETS Consortium Meeting held in the vibrant city of Thessaloniki and PreMETS Open Days, where PreMETS consortium will host 1-day mini-conferences across various EU countries.

Partners



Predictive Maintenance: Tomorrow's Solutions, Today

We recommend you tune in to the latest episode of the ELIZA podcast, where fascinating discussions on AI, industry trends, and expert insights are common topics. Don't miss this engaging and informative series! Stay connected with us as we continue to innovate the field of predictive maintenance.

We hope you enjoy this edition of the PreMETS Newsletter, and thank you for being an integral part of our community!

Predictive Maintenance Train the Trainers Toolkit

With these training resources we're focused on building a robust "Train the Trainers Toolkit" that enhances learner happiness, motivation, and engagement in predictive maintenance education. Our toolkit emphasizes the latest industry trends and effective teaching methodologies, ensuring our trainers can impart knowledge with clarity and confidence. By empowering our educators with cutting-edge tools and strategies, we're setting the stage for them to shape a future-ready workforce that is not just skilled but also adaptable, innovative, and enthusiastic about their learning journey.



Learners happiness, motivation and engagement and performance strategies

We're crafting innovative gamified learning paths and mentorship opportunities that engage learners while recognizing achievements and encouraging consistent feedback.

Inclusion of groups at risk and personalized education

Adaptive learning and affinity groups ensure personalized learning paths and community building for diverse learners.

Qualitative and effective open educational resources (OER)

Collaborative curation, localization, and culturally sensitive resources ensure effective OERs tailored to each learner.

Microcredential system and skills certification

Stackable credentials and industry-aligned certifications help learners advance in their careers.

Reducing the percentage of drop outs from online education

Our toolkit provides flexible scheduling and personalized support to help identify and assist at-risk learners.

Strategies for generating brain plasticity and learning connections

Embrace project-based learning and interdisciplinary approaches to reinforce brain plasticity and foster deeper understanding.

Ethical learner analytics

Transparent and privacy-focused analytics drive ethical data collection and provide valuable insights to educators.

(Re) use existing infrastructure and learning resources

Open platforms and collaborative networks enable the seamless integration of existing resources, maximizing efficiency.

Predictive Maintenance Training Toolkit

Upcoming Training Materials for Predictive Maintenance

The Predictive Maintenance Education & Training System (PreMETS) is excited to present a new lineup of comprehensive training materials designed to enhance your predictive maintenance (PM) skills. Let's take a closer look at what's coming up:



Holistic PM Competences

Understand predictive maintenance from a comprehensive perspective, weaving together knowledge from various disciplines. This module will help you see the big picture, developing skills to integrate data analytics, resource management, and smart decision-making into a seamless, effective strategy.

Green Skills Competences for PM

Sustainability is the future, and we're committed to helping you integrate eco-friendly practices into your maintenance strategies. This module provides insights into reducing energy consumption, minimizing waste, and sourcing responsibly, allowing you to contribute positively to your organization and the planet.

Innovation & Entrepreneurship Competences for PM

Become a trailblazer in predictive maintenance innovation! This training series is designed to spark your creativity, helping you identify and implement groundbreaking technologies and business models that can give your organization a leading edge.

Digital Skills Competences for PM

In today's tech-driven world, PM professionals need to harness the latest digital tools. Here, you'll uncover how to optimize data collection, refine IoT integration, and build a robust digital infrastructure to support advanced predictive maintenance practices.

Resilience Competencies for PM

Our industry can be unpredictable. These lessons will guide you in building a resilient mindset, enabling your team to swiftly navigate unexpected challenges. By fostering flexibility and strong problem-solving skills, you'll be prepared to maintain efficiency and effectiveness, whatever comes your way.

Relearning How to Learn in a Digital Environment

The way we learn has changed dramatically. Here, you'll find strategies to adapt to this new digital landscape, helping you absorb, retain, and apply new knowledge more effectively. This training empowers you to continually evolve your skillset as technology rapidly advances.

PreMETS Podcast

Introducing PreMETS Podcast: The Future of Predictive Maintenance!

Get ready to revolutionize your understanding of predictive maintenance with the launch of our groundbreaking podcast series. Each episode of PreMETS is designed to be a captivating journey into the world of predictive maintenance, featuring in-depth conversations with industry-leading experts who are shaping the future of maintenance strategies.



Dear Predictive Maintenance Enthusiasts,

Get ready to revolutionize your understanding of predictive maintenance with the launch of our groundbreaking podcast series: PreMETS!

Each episode of PreMETS is designed to be a captivating journey into the world of predictive maintenance, featuring in-depth conversations with industry-leading experts who are shaping the future of maintenance strategies.

What to Expect:

🔍 Expert Insights: Dive deep into the minds of seasoned professionals who are at the forefront of predictive maintenance technology. Learn about cutting-edge methodologies, emerging trends, and innovative approaches that are revolutionizing the industry.

💡 Thought-Provoking Discussions: Explore a wide range of topics, from predictive analytics and condition monitoring to asset management and reliability engineering. Our guests share their invaluable experiences, challenges, and insights, providing you with actionable takeaways to enhance your maintenance practices.

🌍 Global Perspectives: Gain valuable insights from experts across different sectors and industries, offering diverse perspectives and practical solutions to common maintenance challenges.

PreMETS Consortium Meeting in Thessaloniki



As we reflect on the success of the PreMETS Consortium Meeting in Thessaloniki, we are excited about the possibilities that lie ahead. The meeting facilitated meaningful connections and partnerships, paving the way for future collaborations and advancements in predictive maintenance practices. By sharing expertise, best practices, and practical insights, participants collectively contributed to the ongoing evolution of maintenance strategies and technologies.



PreMETS

In this vibrant city, industry leaders, researchers, and technology providers came together to explore the latest advancements and challenges in predictive maintenance. Through a series of engaging presentations, interactive discussions, and networking sessions, attendees gained a deeper understanding of emerging trends and innovative approaches in the field.

PreMETS at EIT Manufacturing Day



EIT Manufacturing East proudly hosted its annual Manufacturing Day as part of the ViennaUP startup festival, drawing over 400 attendees to the Austrian capital. This year's event, themed "The Speed of Innovation," provided a vibrant platform for networking and knowledge exchange. Highlights included keynote addresses from industry leaders, engaging panel discussions, and an exciting start-up pitch competition, where a specialized jury awarded a monetary prize to the best pitch. Attendees also had the opportunity to visit booths showcasing various EITM East projects, with team members on hand to offer insights and answer questions. Looking ahead, next year's event promises to be even more impactful, featuring the PreMETS project on a larger scale and testing its platform with a significant number of participants to explore the offered training's and explain the importance and benefits of the project.

Link for this year's event: <https://www.eitmanufacturing.eu/news-events/news/manufacturing-day-2024/#>

Link to MD 2023: <https://www.eitmanufacturing.eu/news-events/news/manufacturing-day-2023/#>

Atlantis Engineering and PreMETS



Atlantis Engineering participated in the **11th Technology Forum** (<https://technology-forum.eu/>) held in Thessaloniki in April 2024. This event aimed to facilitate knowledge sharing and foster collaborations between industries, research centers, and academia in Greece. It was a fantastic opportunity to engage with stakeholders, discuss the innovations of the **PreMETS project**, and promote networking and enterprise activities.

The forum attracted approximately 300 participants, making it a significant gathering for the community.



ATLANTIS
ENGINEERING

Join Us for the **PreMETS** Open Days!

The **PreMETS Open Days** are coming, offering a unique opportunity to explore the cutting-edge PreMETS platform and its educational offerings.

Each event aims to bring together 100 blended attendees—both online and offline—creating a vibrant space for learning and collaboration.

What to Expect:

Interactive Sessions: Test the PreMETS platform firsthand.

Expert Panels: Engage with key stakeholders and thought leaders.

Networking Opportunities: Connect with peers and industry experts.

Hybrid Format: Participate online or join us in person.

Be part of this exciting journey towards educational innovation. Whether you're attending online or offline, the PreMETS Open Days promise to be enriching and inspiring.



Looking for engaging content? We recommend tuning in to the **ELIZA** podcast!

Eliza is the podcast where you will meet a wide range of scientists, professors and professionals within AI who will share their perspectives and knowledge about the technology already forming our everyday lives today.



Hosting the podcast are Sepideh Pashami, Senior Lecturer in AI/Machine Learning from Halmstad university, and Amanda Åberg, UX & Service Designer from the design agency inUse. Together, and in conversation with the guests, they take on different subjects related to AI and make it understandable for a broad audience in order to shine a light on this important topic and its impact on our lives. The aim of the podcast is not only to give our listeners a deeper understanding of what AI is capable of today but also to give different points of view on the technology and its usage.



Listen to ELIZA:
<https://maistr.se/elizapod/>

JOIN US!

Join our community of predictive maintenance enthusiasts, industry leaders, and technology providers as we collaborate, innovate, and shape the future of predictive maintenance together!

 #PreMETS#PredictiveMaintenance
#StayConnected 

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