









element61 Microsoft Analytics & AI Day 2023



Date: April 25th, 2023 | Venue: Kinepolis Brussels | Time: 10.00 - 17.30


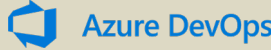



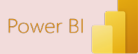




Timing	Session		
10:00-10:30	Coffee & Networking		
	Power BI track Theater 27	Architectural track Theater 24	Data Science & Analysis track Theater 25
	How to achieve end-to-end governed self-service analytics with Power BI?	The Data Lakehouse of Your Dreams: Clear, Sturdy and Simple	Practical Data Science use cases explained
10:30-11:15	 <p>You might know Power BI but do you know Power BI Dataflow and Datamarts & how to use them to build an end-to-end self-service set-up?</p> <p>In this session, Arnaud will clarify how Power BI Dataflow can be leveraged to guarantee reusable ETL while Power BI Datamart will enable us to securely collect, store, analyze and share data in a low-code experience. You'll learn how to set up self-service analytics & how it can play an important role as part of an enterprise analytics environment!</p> <p>Arnaud Vandercam - element61</p>	 <p>The combination of a Data Lake & Data Warehouse translates into the term: "Lakehouse".</p> <p>First & originally used by Databricks, in this session we specify & show what a Lakehouse is about, with the use of an Azure Data Lake, Delta & Databricks SQL.</p> <p>Join this session to know & see if a Data Lake can truly respond to all required functionalities of a data warehouse.</p> <p>Michiel Van Brusselen - element61</p>	 <p>In this session, we'll share real-world case studies of local business success stories with Data Science. We'll take you through the entire process, from problem identification to solution implementation and change management.</p> <p>Join us to get inspired on how data can drive positive change in your organization and to showcase the potential of data science in solving business challenges, without delving into technicalities.</p> <p>Peter Depypere - element61</p>
	Logical Layering in Power BI	Getting the most out of Databricks	Data Science use cases technical deep-dive
11:15-12:00	 <p>When using Power BI for a while, you might start to have a lot of tables and measures in some datasets. Suddenly, your solution becomes very complex for business users...</p> <p>Join this technical session for an in-depth exploration on how to simplify this using the logical layering technique in Power BI. Using the composite feature, we'll demonstrate hands-on how to use a parent-child approach on datasets & streamline the user experience.</p> <p>Gary Goldman - element61</p>	 <p>Recent innovations in Databricks are drastically simplifying analytics engineering. In this session, we give an overview & a hands-on demo of these innovations and how you can get the most out of Databricks.</p> <p>Join this session to learn & see what Databricks can offer for data engineering & data scientists in its broadness incl. Unity Catalog & its connections to tools like dbt & Fivetran.</p> <p>Michiel Van Nijverseel - element61 Bart Van Der Vurst - element61</p>	 <p>In this session, we'll dissect two data science use cases presented in the previous session. We'll dive deeper into the components used in Azure (e.g. Databricks, MLflow, Delta) and how we used them to overcome the data challenges encountered.</p> <p>Join this session to learn hands-on about the AI & ML tools in Azure and how they work together to jointly design, build & deploy an AI application.</p> <p>Florian Sturm - element61</p>
12:00 - 13:00	Sandwich Lunch		
	Theater 27		
13:00 - 13:20	 <p>Introducing element61, thought-leading Analytics and the Microsoft Competence Center</p> <p>Steven Decerf, Partner Customer Relations & Business Development - element61</p>		
13:20 - 14:00	<p>A summary of the latest Data & AI innovations in Microsoft Azure & Power BI</p> <p>Tim Schaeps, Cloud Solution Architect - Microsoft & Bart Van Der Vurst, Partner Analytics - element61</p>		
14:00 - 14:30	 <p>How Aquafin accelerated on BI, IoT & Data Products using Microsoft Azure Cloud & Power BI</p> <p>Three years ago, Aquafin started an accelerating journey in Analytics. Starting with an Analytics roadmap with element61, Aquafin's Analytics environments now support many operations and processes through both Power BI reporting as well as smart insights data products.</p> <p>In this session, the team goes through the trajectory of the last three years, the strategy, the choices taken, the challenges and the architecture in place today.</p> <p>Ronny Goossens, Head of Digital - Aquafin & Yoshi Coppens, Senior Analytics Architect - element61</p>		



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	Power BI track Theater 27	Architectural track Theater 24	Data Science & Analysis track Theater 25
	Discover our Power BI "Out-of-the-Box" Solutions for Business Central / Finance & Operations and S/4HANA	What it means to build a Data Platform from zero	Streaming sensor data and managing big data workloads with Databricks
14:30 - 15:10	 <p>How to get to Power BI Analytics in 1 workweek? Discover our Power BI "Out-of-the-Box" solution, delivering a best practice Modern Data Platform in Azure for integrated Insights on Finance, Sales, Purchase, Inventory, Production & more.</p> <p>Now available for Dynamics 365 Business Central/NAV, Dynamics 365 Finance & Operations/AX and S/4HANA.</p>	 <p>Before anyone can do anything of data engineering or BI on Azure, they first need the Data Platform.</p> <p>In this session, expert Fabian clarifies what it takes to do a solid set-up of an Data Platform on Azure. He outlines why it involves networking, DevOps, and access mgmt. & how we secure it end-to-end.</p> <p>Join this introductory session to understand what a solid set-up means and how a solid set-up gives comfort to all future BI developers & analyst.</p>	 <p>Duco is a leading European producer of ventilation and solar shading systems. Their solutions are equipped with more and more sensors generating a continuous flow of data that they want to capture and analyze.</p> <p>In this session, Duco will explain their ambitions to work with Data & Analytics, the challenges to overcome while working with sensor data and how element61 supported Duco in this exciting journey with Azure & Databricks.</p>
	Stijn Vermeulen - element61	Fabian Heyse - element61	Bie De Backer - Duco
15:10 - 15:40	Coffee Break		
	Testimonial on Cheops' experience with the Power BI "Out-of-the-Box" solution	How & why Goodman accelerated BI using TimeXtender on Azure	The business lifecycle of a Machine Learning model
15:40 - 16:20	 <p>Cheops is a Specialist in IT & Business Technology Services supporting organizations in their day-to-day IT. To discover insights into their day-to-day operations, Cheops is leveraging the power of the element61 Power BI Out-of-the-Box solution.</p> <p>From the customers' perspective, Farzad Karimi Rad will shed a light upon the implementation process, the learnings and the advantages of the Out-of-the-Box acceleration pack.</p>	 <p>In 2021, Goodman accelerated on BI in Azure leveraging TimeXtender, a leading Data Warehouse Automation tooling.</p> <p>Join this session to hear the journey of Goodman on BI & why they chose to leverage Azure & TimeXtender to accelerate their BI development & reporting.</p>	<p>Once you have a Machine Learning model in production, there are often a lot of business changes happening within the lifecycle of this model.</p> <p>Think about new stores or products in your portfolio, changing customer behaviour, external events (inflation, Covid, ...), and cannibalization.</p> <p>In this session, we'll guide you through the most common issues encountered during the lifecycle of a Machine Learning model and how to tackle them.</p>
	Farzad Karimi Rad - Cheops	Tom Bouten - Goodman Alex van Wijnen - TimeXtender	Charles Cuigniez - element61 Julie Vanackere - element61
	Power BI Data Modelling Best Practices ...why should you care?	Unifying Governance: Unity Catalog and/or Azure Purview?	How & why AG Insurance is embracing MLOps & DevOps
16:20 - 17:00	 <p>A good analytical reporting platform is built on a solid and sound data model. Join this technical session to learn the best practices on Power BI data modelling with practical examples!</p> <p>Joydip will go through many key concepts, like dimensional modelling techniques, role-playing dimensions, joining multiple fact tables, etc.</p> <p>Using real-life scenarios, the concepts will be demonstrated and we will also elaborate on the do's and don'ts for your data model.</p>	 <p>We are all looking for a simplified overview of our data: a data catalog where we can monitor all our data sets, end-to-end lineage and governance of accesses, risks and security.</p> <p>In this session, we outline what's there today and discuss what Unity Catalog in Databricks offers as well as what Azure Purview brings to the table. We clarify where they overlap and how they complement & give our vision on Data Governance in Azure going forward.</p>	 <p>AG Insurance is a known Belgian Insurance Company. In this session, the Customer Intelligence team of AG shares how they recently made the switch to embrace MLOps & DevOps in their day-to-day work, the benefits they experience and the learnings they take away.</p> <p>Join this session to discover how MLOps & DevOps can be practically applied by Data Analysts & Data Scientists and the pain points it can help you avoid.</p>
	Joydip Das - element61	Arno Van den Audenaerde - element61	Matthias Meul & Thomas Covemaeker - AG Insurance Joran Vergauwen - element61
17:00	Networking Reception		

Any questions, feel free to email : info@element61.be



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