

Ansätze, um die Wertschöpfung der IFRS17 Implementierung zu erhöhen

Approaches to increase the value-added of the IFRS 17 implementation

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IFRS 17: Challenges

Data Modeling

- Big Data (e.g. transactions)
- Expert Judgement
- Reporting

Modeling

- Cashflow Models
- Accounting Methodology
- Complex business rules

Governance

- Access rights
- Auditability
- Process Documentation

What do we hear on “IFRS17 Projects” from the market?

Our teams focused on Compliance with methodology and produce some numbers by some date.

I am happy that I have nothing to do with it.

Barely reported the first quarter and hope it is stable every quarter,

We are glad it's over!

We cannot do planning with the current process, so we used Excel for high-level plan!

Our Group spent 100mio EUR on implementing IFRS17. It is pure compliance & regulatory, adding no value to our customers.

Kicked out our technology provider after first year-end reporting

... now ESG reporting is round the corner!

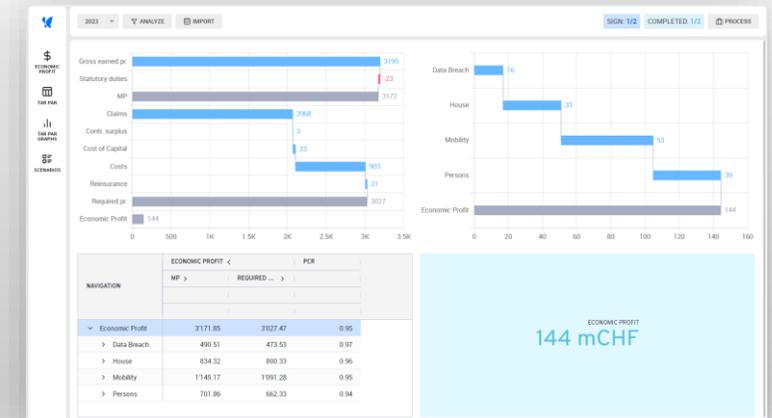
Common Solution Approaches



Technology zoo



Data pipelines



Business App

Pros and Cons of Excel

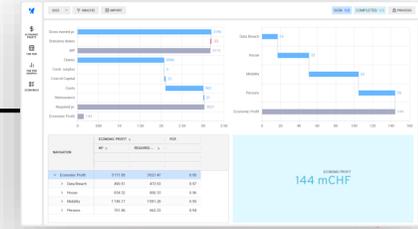
Fast
WYSIWYG



Difficult to write
Impossible to maintain

```
=IF(AND(C13=0,D13<>0),D13,IFERROR(D13/C13,)*(N13+IF('Calculation NL'!$AE$25="Yes",'Calculation NL'!Y$25/100*IF('Calculation NL'!Y$25<0,-$F$137,$G$137),0)+IF('Calculation NL'!$AE$24="Yes",'Calculation NL'!Y$24/100*IF('Calculation NL'!Y$24<0,-$F$137,$G$137),0)+ABS(N$188)*IF(N$188>0,$G$137,$F$137)*100))
```

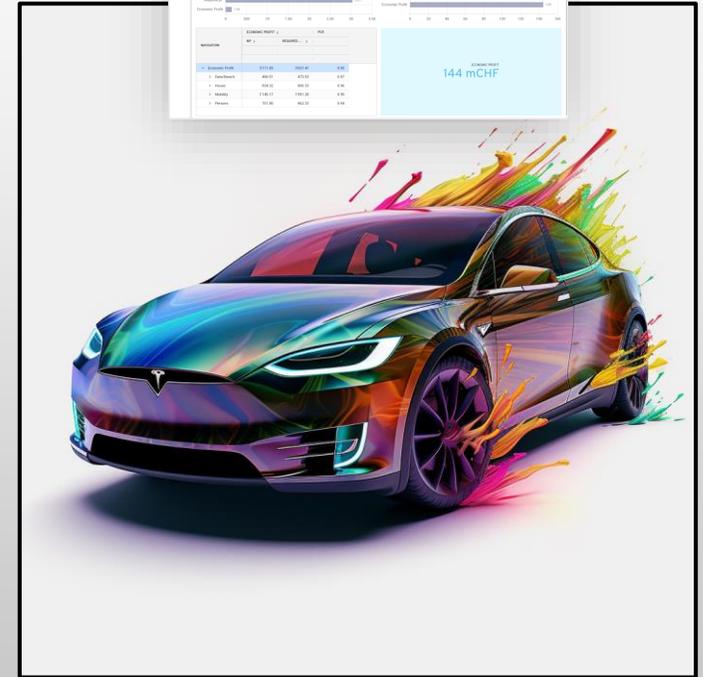
Evolution



1990, High maintenance, high consumption/costs

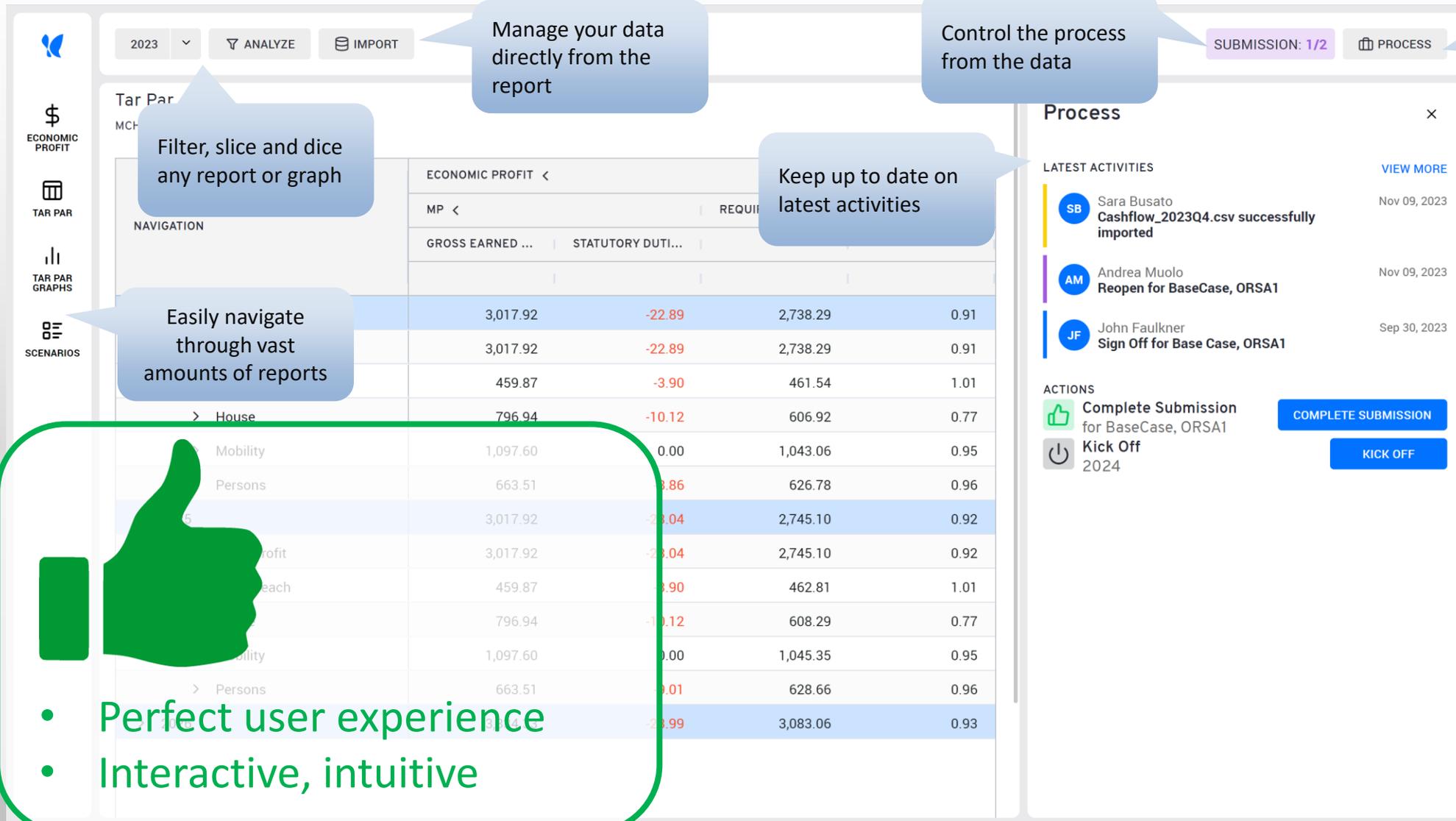


2005, Modern components
Predictable costs



Today, individually connected
low maintenance/costs

Business Applications



The screenshot displays the Systemorph Business Applications interface. At the top, there are navigation elements including a year selector (2023), an 'ANALYZE' button, and an 'IMPORT' button. A callout bubble points to the 'IMPORT' button with the text 'Manage your data directly from the report'. Below this, a sidebar on the left contains icons for 'ECONOMIC PROFIT', 'TAR PAR', 'TAR PAR GRAPHS', and 'SCENARIOS'. A callout bubble points to the 'ANALYZE' button with the text 'Filter, slice and dice any report or graph'. Another callout bubble points to the 'SCENARIOS' icon with the text 'Easily navigate through vast amounts of reports'. The main area features a table with columns for 'ECONOMIC PROFIT', 'MP', 'GROSS EARNED ...', 'STATUTORY DUTI...', and 'REQUI'. A callout bubble points to the table with the text 'Keep up to date on latest activities'. On the right side, there is a 'Process' panel with a 'SUBMISSION: 1/2' indicator and a 'PROCESS' button. A callout bubble points to this panel with the text 'Control the process from the data'. Below the 'SUBMISSION' indicator, there are 'LATEST ACTIVITIES' and 'ACTIONS' sections. A callout bubble points to the 'LATEST ACTIVITIES' section with the text 'Keep control of the process and documentation'. The 'LATEST ACTIVITIES' section lists three activities: 'Cashflow_2023Q4.csv successfully imported', 'Reopen for BaseCase, ORSA1', and 'Sign Off for Base Case, ORSA1'. The 'ACTIONS' section includes 'Complete Submission for BaseCase, ORSA1' and 'Kick Off 2024', each with a corresponding button. A large green thumbs-up icon is overlaid on the bottom left of the screenshot, with a callout bubble containing the text 'Perfect user experience' and 'Interactive, intuitive'.

- Perfect user experience
- Interactive, intuitive

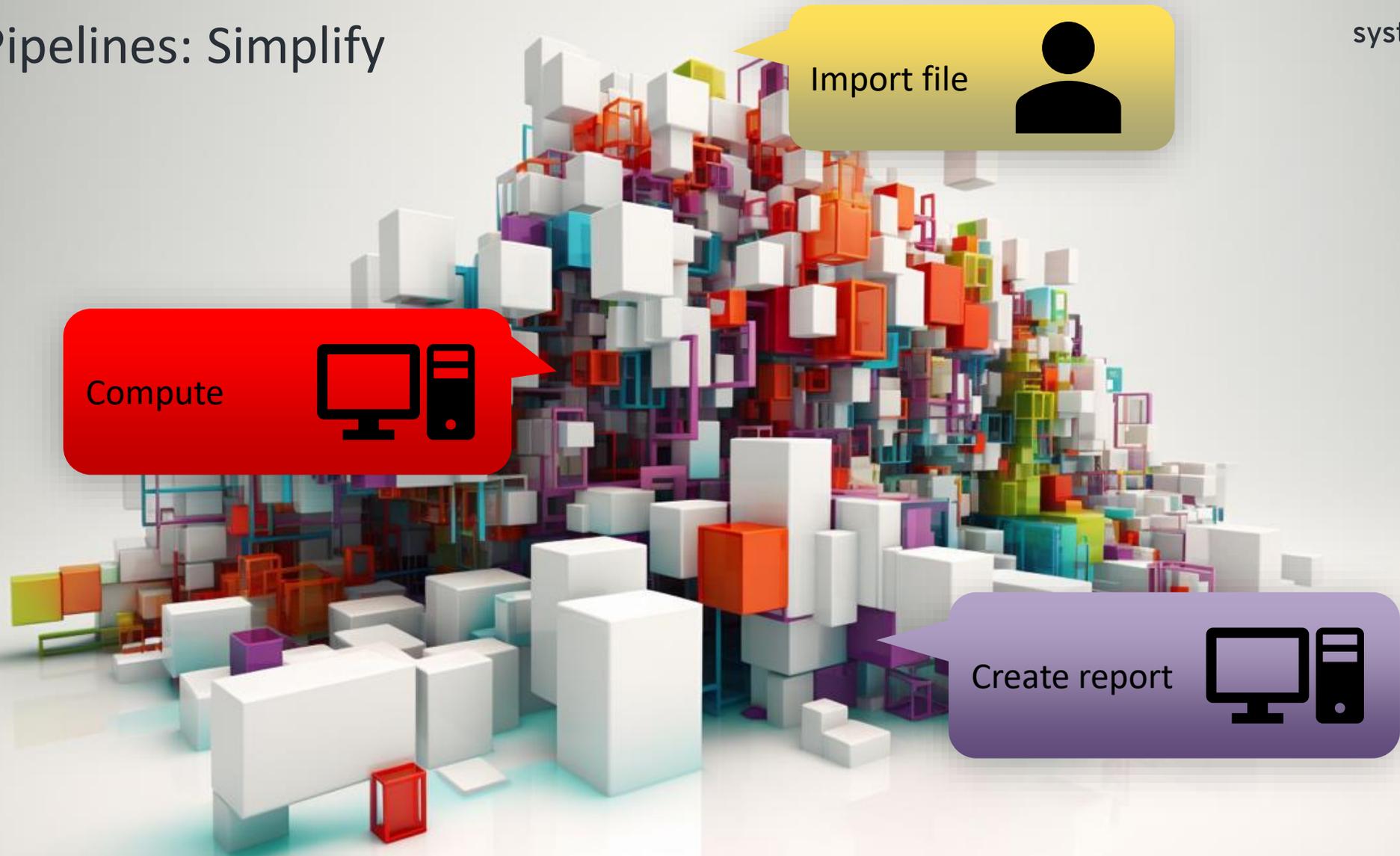
Cons of Business Applications



- Complexity
- High budget



Data Pipelines: Simplify



The “One Way” Chain Reaction



Source: *The Way Things Go - A Chain Reaction* by Peter Fischli & David Weiss, Icarus Films,
<https://www.youtube.com/watch?v=GXRRC3pfLnE>

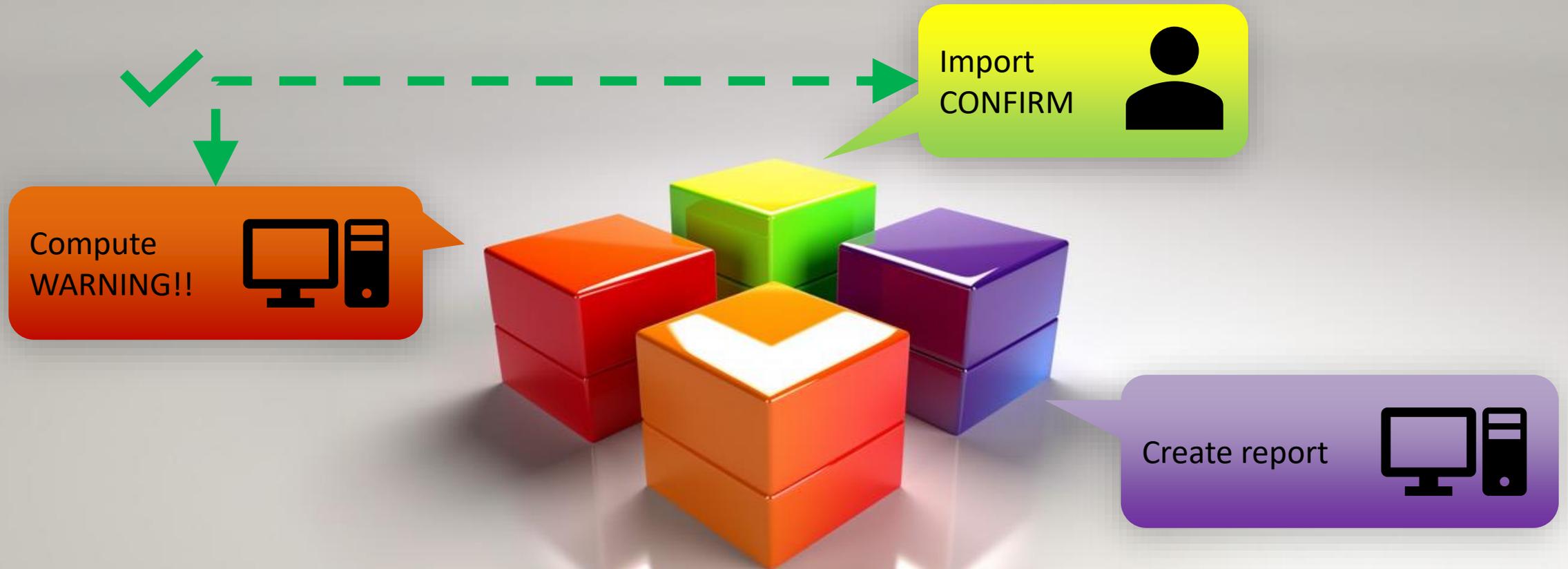
No Dialogue Possible



Create report



Business Application Conversation



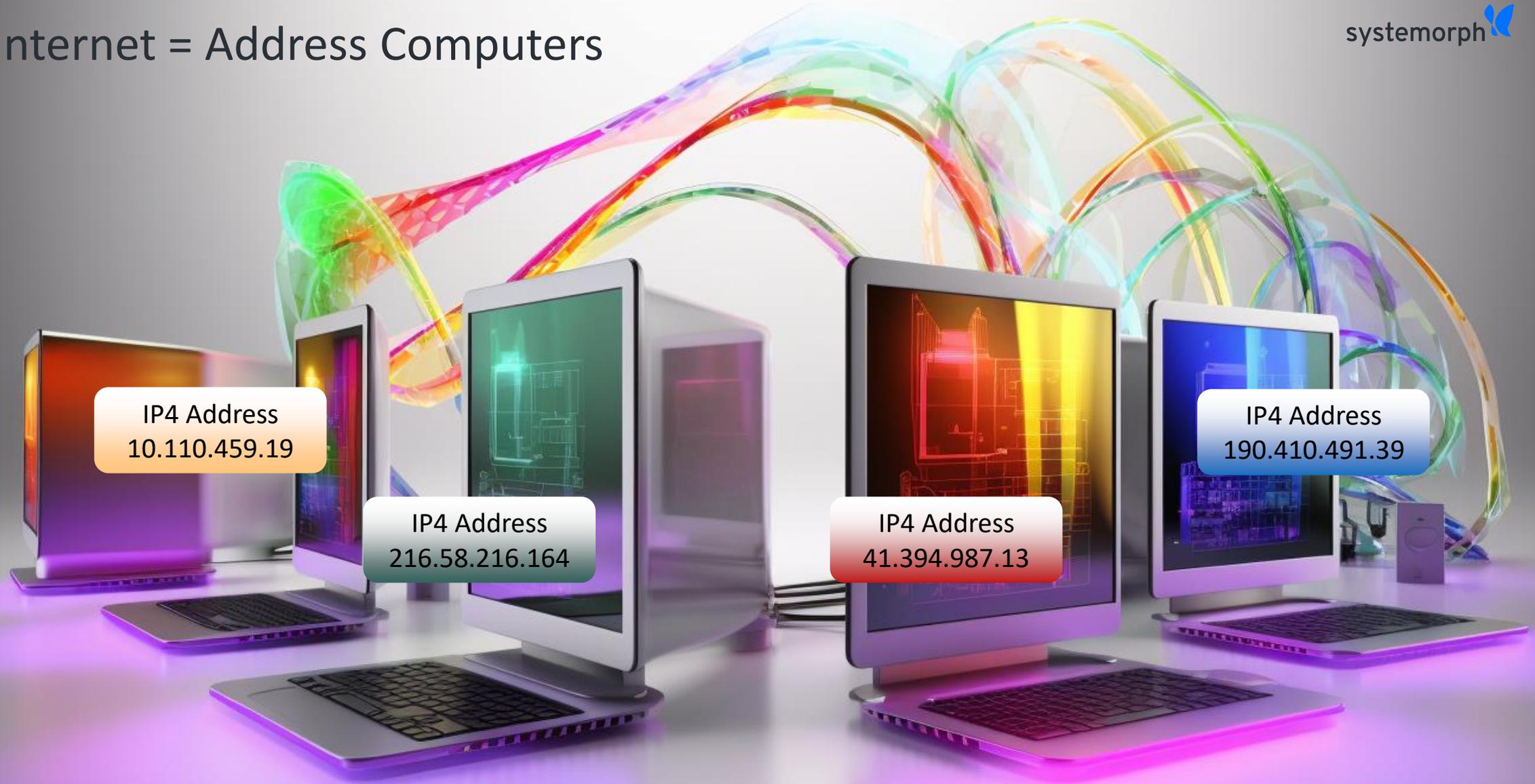
Business Application Conversation in Action

The screenshot displays a business application interface with a central dialog box titled "Import Succeeded". The dialog box contains the following information:

- A green checkmark icon.
- Text: "by Sara Busato at 16:11 Nov 10, 2023"
- A warning icon and the heading "Warnings".
- Text: "Gross admin and project costs" and "Gross earned premiums" ratio for ORSA1, 2024, Household is more than 1% higher than last year"
- An info icon and the heading "Infos".
- Text: "CtrlData_2023ORSA1.csv successfully imported"
- A "CLOSE" button at the bottom.

The background interface includes a navigation sidebar on the left with icons for "ECONOMIC PROFIT", "TAR PAR", "TAR PAR GRAPHS", and "SCENARIOS". The main area features a bar chart with categories like "Gross earned pr.", "Statutory duties", "MP", "Claims", "Contr. surplus", "Cost of Capital", "Costs", "Reinsurance", and "Required pr.". Below the chart is a table with columns for "ECONOMIC PROFIT" and "MP". A large card on the right displays "ECONOMIC PROFIT 144 mCHF". On the far right, a "Process" sidebar shows "LATEST ACTIVITIES" and "ACTIONS" with buttons for "REJECT", "SIGN OFF", and "KICK OFF".

Internet = Address Computers



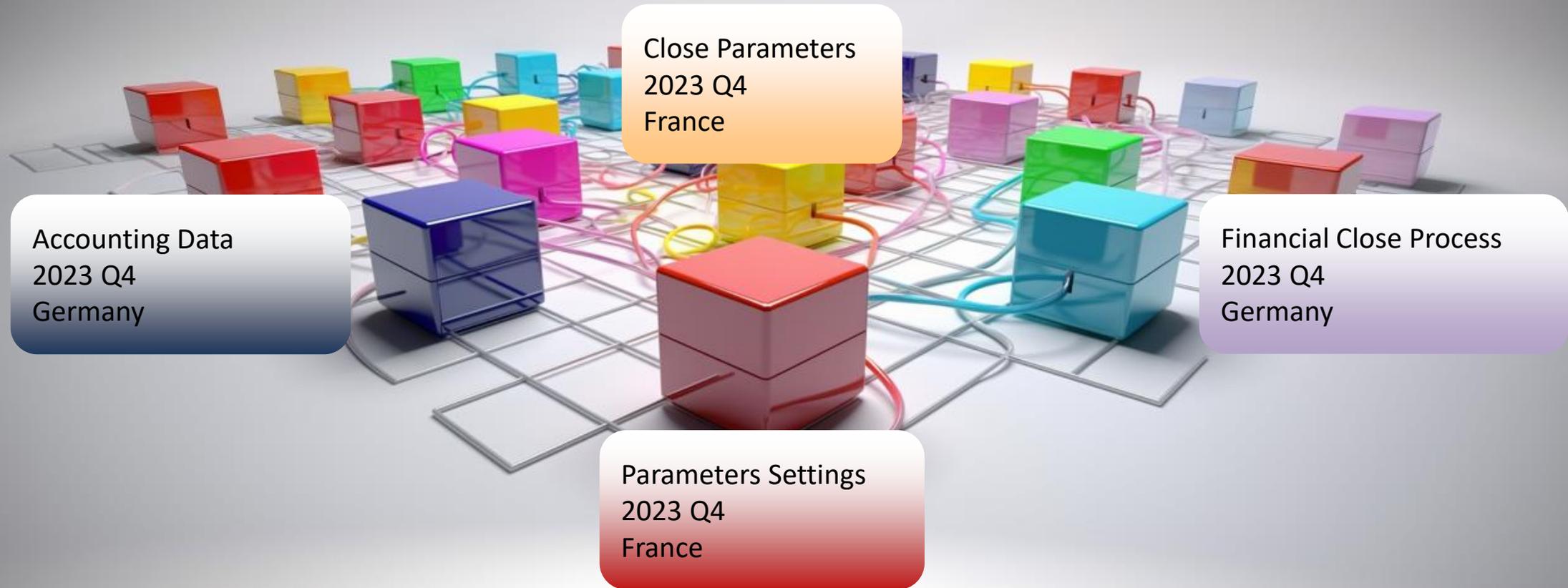
IP4 Address
10.110.459.19

IP4 Address
216.58.216.164

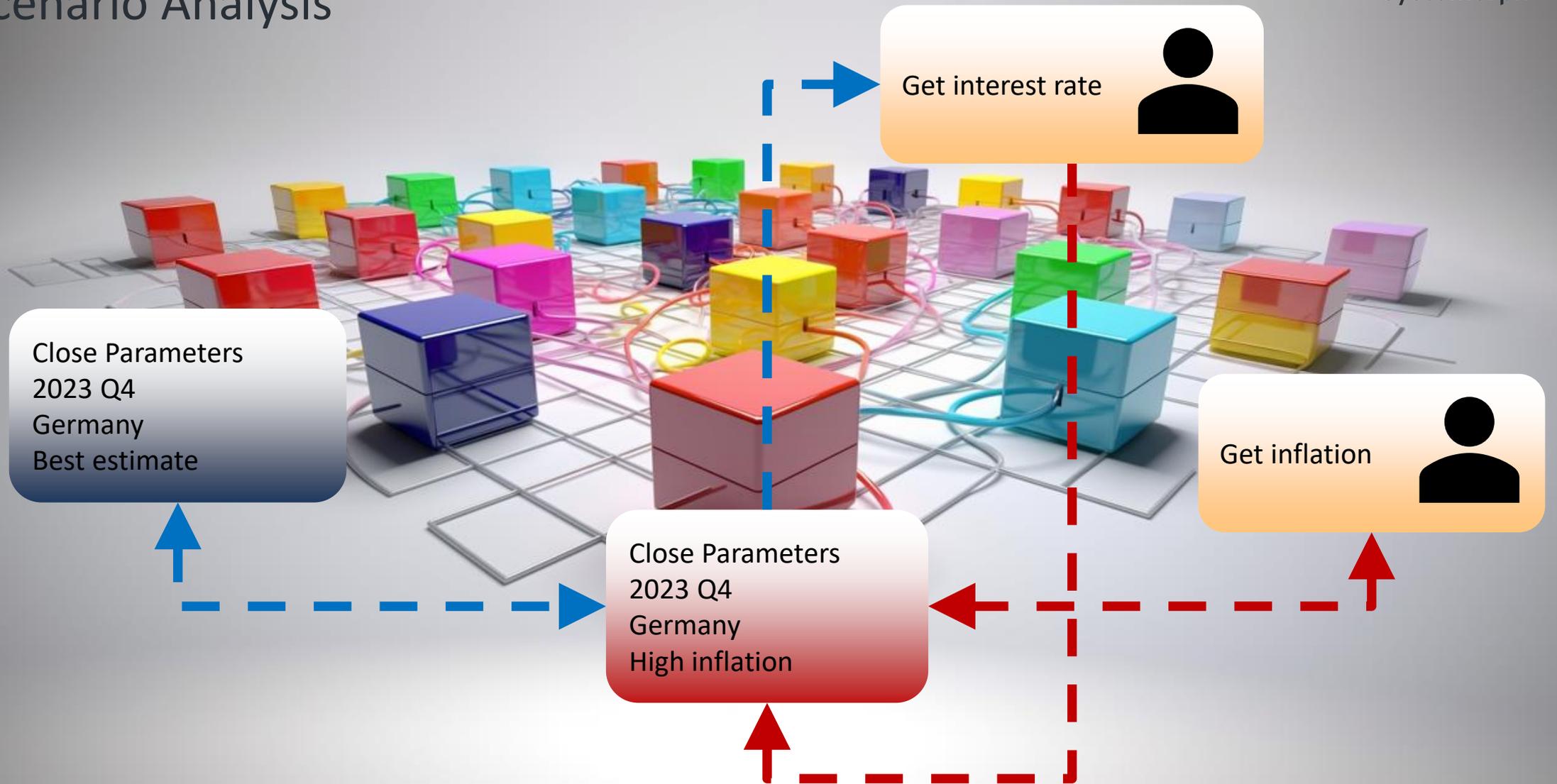
IP4 Address
41.394.987.13

IP4 Address
190.410.491.39

Cloud = Address Data



Scenario Analysis



The Systemorph IFRS17 Use Cases



Accounting



Reporting



Steering



Transforming

Cons of Business Applications



- Complexity
- High budget



Open Source IFRS17 Calculation Engine


 OVERVIEW
 EXPLORER
 ENVRS
 SETTINGS

Idle CPU: 4 RAM: 16

+ CODE
+ TEXT
▶ ▶▶
⌘
🗑️

```

[2]
1 workspace.InitializeFrom(DataSource);
2 ifrs17.Reset(workspace)
          
```

```

[3]
1 var reportingNode = "CH";
2 var reportingPeriod = (2021, 3);
          
```

2 Best Estimate

Present values of the [best-estimate](#) future cash flows are shown here in an Analysis of Change report.

The granularity of the reported figures can be modified by changing the Column Slices options. For example one can add "GroupOfContract" to separate the contributions of the individual Group of Contracts.

Aggregated values are displayed when the data has a finer granularity than the one selected by the report slice options.

The Best Estimate scenario is selected by default. You can select other scenarios through the Scenario field. Possible options includes 'All' and 'Delta'. Select ColumnSlice Scenario if you chose one of these.

```

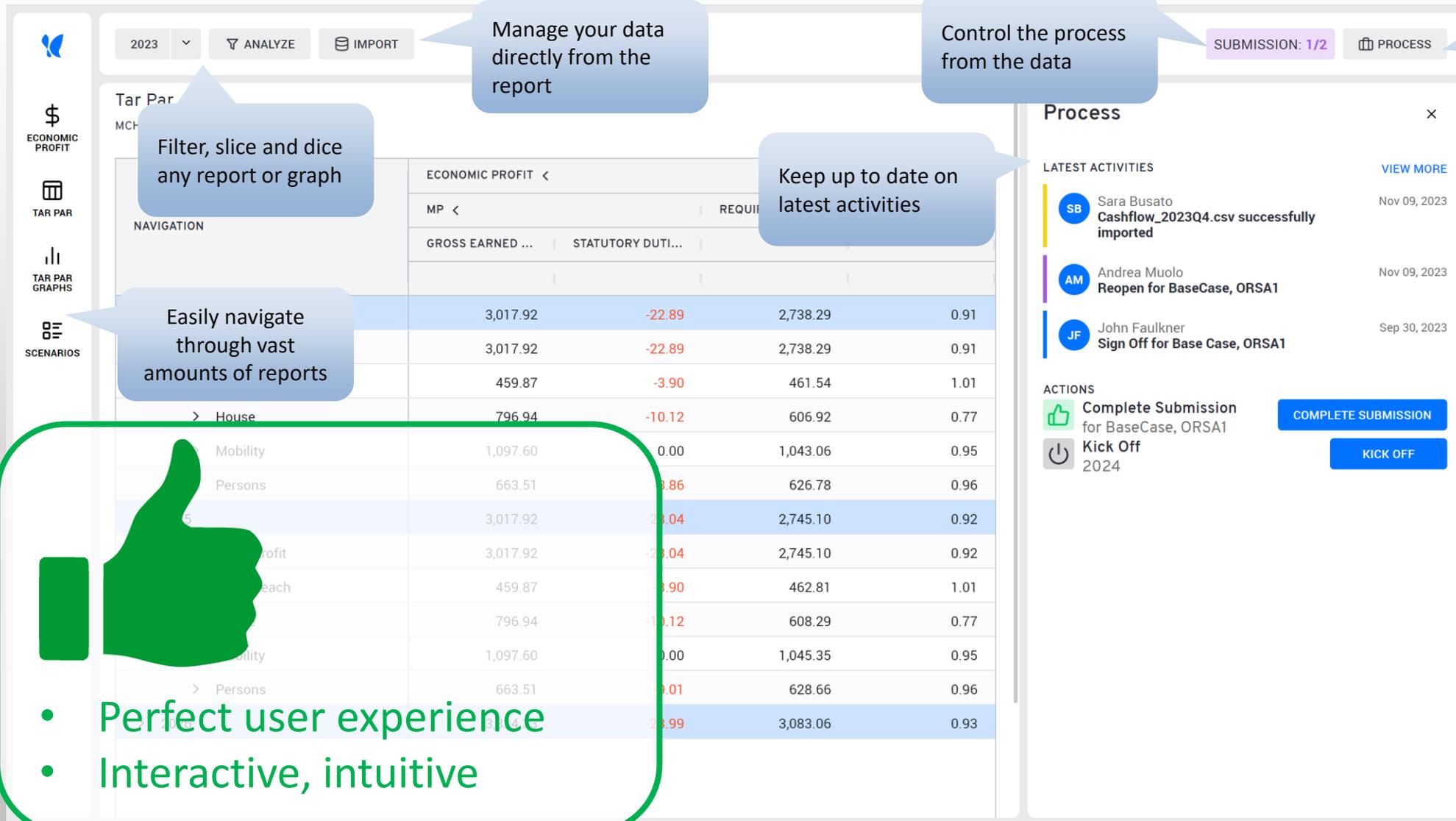
1 var pv = ifrs17.PresentValues;
2 pv.ReportingNode = reportingNode;
3 pv.ReportingPeriod = reportingPeriod;
4 pv.CurrencyType = CurrencyType.Contractual;
5 pv.ColumnSlices = new string[] { "GroupOfContract" };
6 pv.Scenario = null;
7 pv.DataFilter = null;
8 (await pv.ToReportAsync)
          
```

	United States Dollar <		
	Current <		
	DT1.1 OCI LRC PA 0.8	DT1.2 OCI LIC	DT1.3 OCI LRC PA 1
Name	Value	Value	Value
▼ In Force			
Opening Balance	-99.96	299.68	-99.96
Model Correction	-99.90	-59.94	-99.90
Cash flow	50.00	-60.00	50.00
Interest Accretion	-0.07	0.11	-0.07
Yield Curve Update	0.10	-0.22	0.10

- Full open source IFRS17 Solution
- Our Computational Notebooks serve as:
 - Specification
 - Data
 - Source code
 - Reports
 - Documentation
- Adapt the standard solution to your needs



Business Applications



The screenshot displays the Systemorph Business Applications interface. At the top, there are navigation options for '2023', 'ANALYZE', and 'IMPORT'. A callout bubble points to the 'IMPORT' button, stating 'Manage your data directly from the report'. Below this, a table titled 'ECONOMIC PROFIT' is shown with columns for 'MP', 'REQUIREMENTS', 'GROSS EARNED ...', 'STATUTORY DUTI...', and a final column. A callout bubble points to the table, stating 'Filter, slice and dice any report or graph'. Another callout bubble points to the 'LATEST ACTIVITIES' section on the right, stating 'Keep up to date on latest activities'. A third callout bubble points to the 'SCENARIOS' menu on the left, stating 'Easily navigate through vast amounts of reports'. A fourth callout bubble points to the 'PROCESS' section on the right, stating 'Control the process from the data'. A fifth callout bubble points to the 'SUBMISSION: 1/2' and 'PROCESS' buttons, stating 'Keep control of the process and documentation'. A large green thumbs-up icon is overlaid on the bottom left of the screenshot, with a callout bubble containing the text 'Perfect user experience' and 'Interactive, intuitive'.

2023 ANALYZE IMPORT

Manage your data directly from the report

Filter, slice and dice any report or graph

Easily navigate through vast amounts of reports

Keep up to date on latest activities

Control the process from the data

Keep control of the process and documentation

ECONOMIC PROFIT <				
MP <	REQUIREMENTS	GROSS EARNED ...	STATUTORY DUTI...	
3,017.92	-22.89	2,738.29	0.91	
3,017.92	-22.89	2,738.29	0.91	
459.87	-3.90	461.54	1.01	
> House	796.94	-10.12	606.92	0.77
Mobility	1,097.60	0.00	1,043.06	0.95
Persons	663.51	8.86	626.78	0.96
5	3,017.92	-22.89	2,745.10	0.92
Profit	3,017.92	-22.89	2,745.10	0.92
each	459.87	-3.90	462.81	1.01
	796.94	-10.12	608.29	0.77
Mobility	1,097.60	0.00	1,045.35	0.95
> Persons	663.51	9.01	628.66	0.96
	3,017.92	-22.89	3,083.06	0.93

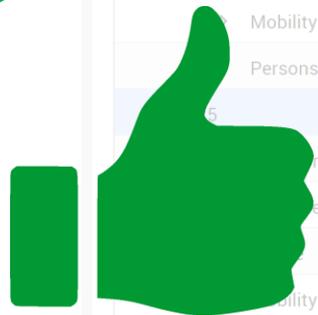
Process

LATEST ACTIVITIES [VIEW MORE](#)

- SB Sara Busato
Cashflow_2023Q4.csv successfully imported
Nov 09, 2023
- AM Andrea Muolo
Reopen for BaseCase, ORSA1
Nov 09, 2023
- JF John Faulkner
Sign Off for Base Case, ORSA1
Sep 30, 2023

ACTIONS

-  Complete Submission for BaseCase, ORSA1 [COMPLETE SUBMISSION](#)
-  Kick Off 2024 [KICK OFF](#)



- Perfect user experience
- Interactive, intuitive

Key Take-Aways

