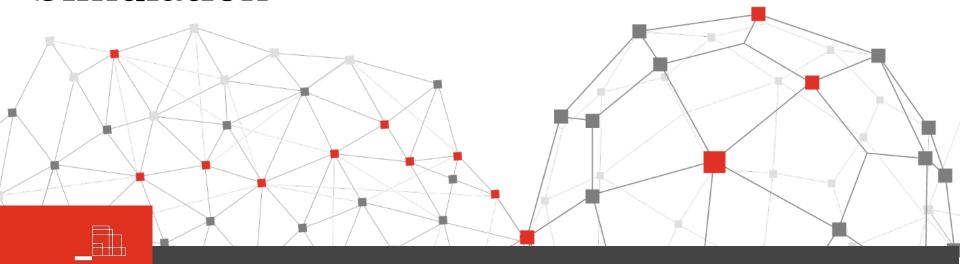
COVID-19

Crisis Impact Prediction and Simulation



Topics we will cover today

1. Introduction – Reto Brunner

2. Key topics – what our experts are saying

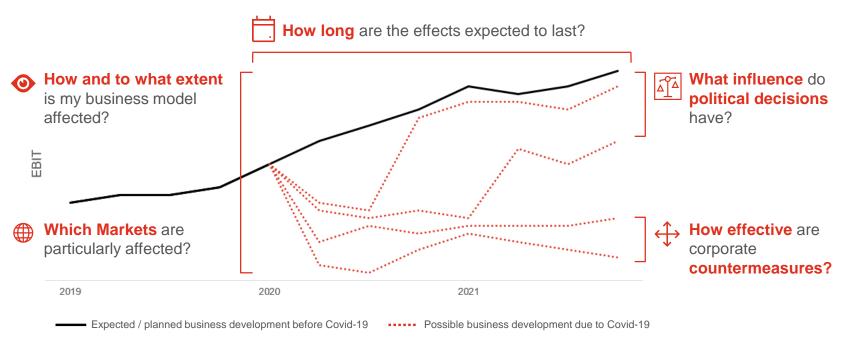
- a. Scenarios & prediction Gori von Hirschhausen / Roland Werner
- b. Initial situation and objective **Philipp Appenzeller**
- c. Our solution Frauke Schleer-van Gellecom / Philipp Appenzeller
- d. How to get started **Maurice-Oliver Nipper**

3. Q&A

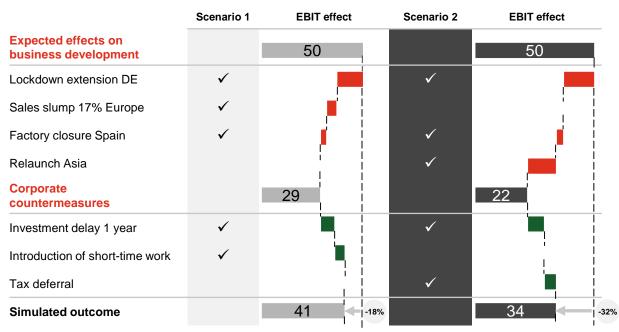




Covid-19 considerably increases the uncertainty about future business development of companies



Impact Prediction & Simulation enables the definition and evaluation of scenarios for business development

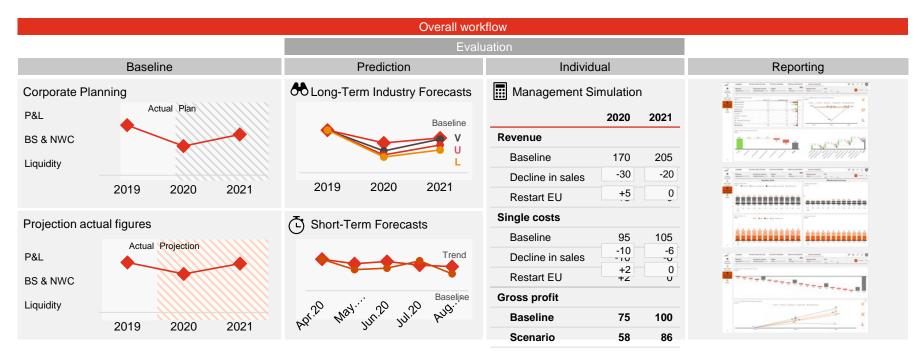


Objective Covid-19 Impact Prediction & Simulation:

- Flexible combination of possible risks and countermeasures
- Automated and fast evaluation of various factors along controlling KPIs (esp. operating result / liquidity)
- Comparability of possible scenarios
- Continuous updating of scenarios and corresponding effects in cooperation with the organization



Impact Prediction & Simulation offers a platform for scenario evaluation based on various methodological approaches



Predictive Analytics can help to improve your decisionmaking



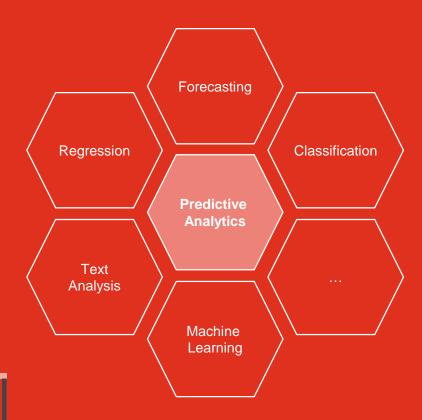
What Predictive Analytics is

- When done right: an optimal objective projection of the future based on all available data
- fast and automated computer-based predictions
- Analysis of relevant business drivers and their use to learn about possible future scenarios



What Predictive Analytics is NOT

- universal intelligence to replace humans
- a crystal ball predicting all future shocks
- a one-size-fits-all solution for all my data problems



Predictive analytics analyse current and historical facts to make predictions about the future.

Properties of leading indicators

Procyclicality and lead

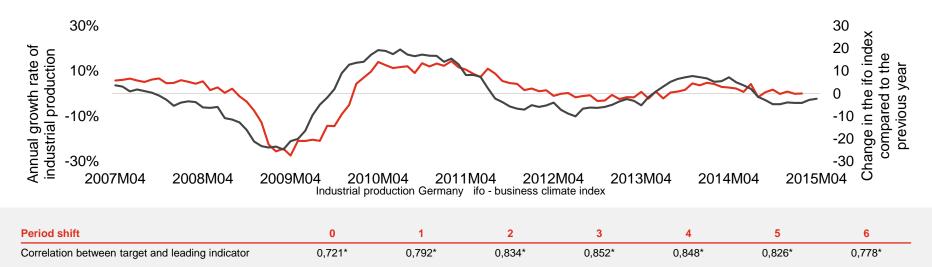


Early warning systems use procyclical processes in combination with a lead

Covid-19 | Crisis Impact Prediction and Simulation PwC

An example of procyclicality and lead...

Industrial production and ifo business climate index



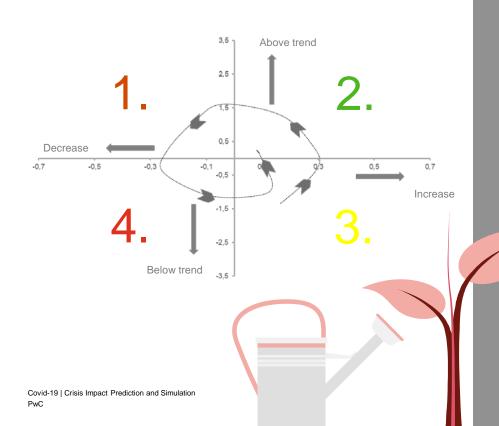
A lead of three periods of the leading indicator has the highest positive correlation \rightarrow **procyclical** and **leading**

*Significant to the 1% level, Period 2007M01 - 2015M02

An example of lead and publication lead...

Industrial production and ifo business climate index





Growth above long-term trend

Decrease compared to previous month

Growth above long-term trend
Increase compared to previous month

Growth below long-term trend
Increase compared to previous month

Growth below long-term trend

Decrease compared to previous month

10

What's next? How to get started

Get challenged on the scenarios for your business and derive data- and fact-driven decision making on the optimal measures for your business

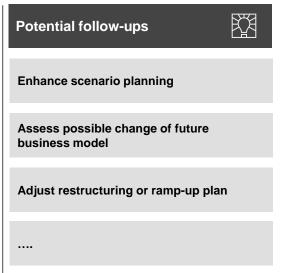
PWC OUTSIDE-IN ASSESSMENT

- Relevant scenario parameters for COVID-19
- Long-term macroeconomic scenarios
- Potential impact on business development (market, industry, peer based)

YOUR CURRENT FORECASTING

- Pre-COVID-19 budget
- Adjusted planning parameters from operations
- Current scenarios derived





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Ask us anything - Q&A



Instructions

In this Q&A, **you** as the audience can get involved, so please submit your questions for your Experts via the **questions box** on your **left hand side**

Thank you!

One Point of Contact:

Via our crisis helpline and PwC Switzerland website (EN | DE | FR)

Your experts today:



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Restructuring Services
E-mail



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Thank you

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