

Certification of buildings with the Resource Score, a gamechanger in construction

Klaus Dosch
Head of Factor X Agency
& Res Score GmbH

Three turnarounds in construction

ResScore
because resources matter

- **Energie**
- **Climate**
- **Raw Materials**

... and in construction we only care about energy efficiency!



Lignite Open Pit Mine Inden, Bild: Klaus Dosch

Cheating Regulations

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- EnEV, GEG, European Energy Efficiency Directive, Passiv-Housings, KfW, ...
- Cheating buildings with high demand of „grey“ CO₂ & energy



Klaus Dosch, ERF

Sustainability assessment systems do not help

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- **DGNB**
- **BNB**
- **LEED, BREEAM, ...**

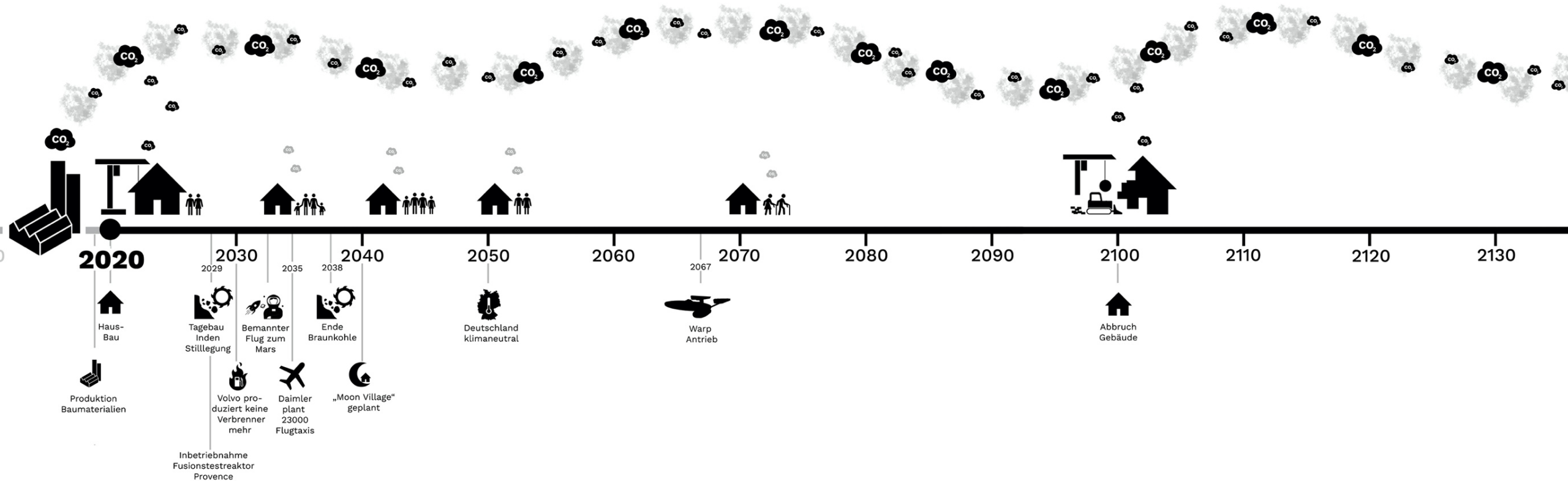
... well-known sustainability assessment systems are far too complex, time-consuming and expensive!



Klaus Dosch, ERF

C2C is great, but not in construction of buildings

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New approach for assessing the 3 turnarounds:

- **Factor X**
- **All buildings are necessarily X times better than a comparable building**
- **Based on VDI 4,800 Resource efficiency**
- **Only 3 Indicators: CO₂, Energy & Materials**
- **No accounting for parts C and D of the life cycle assessment**

Tried and tested

- 6 residential areas so far
- Factor X in the sales contract
- 33% Land price contractual penalty (never drawn)
- Monitoring by Factor X Agency

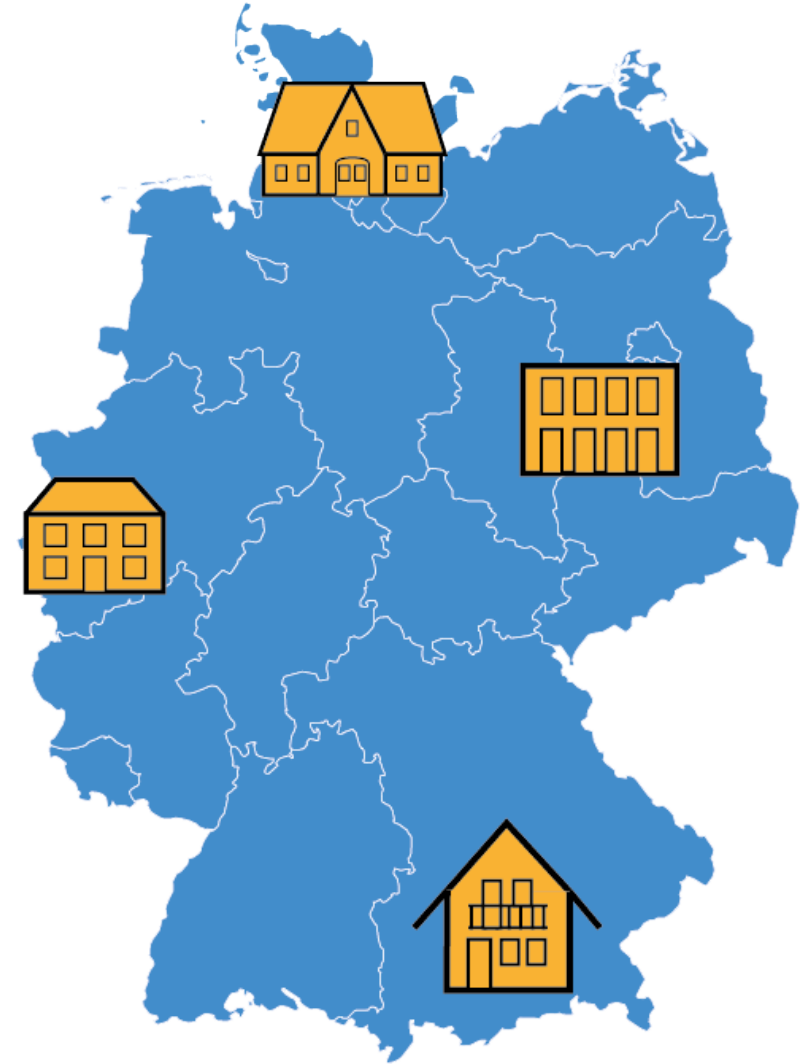
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Lessons learnt

- Factor X works well
- Around 400 calculated buildings (single family houses, appartement houses, commercial buildings)
- (Only) regionally comparable
- Absolute comparison values necessary



Factor X → Resource-Score

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resource-score



climate-score



material-score



energy-score

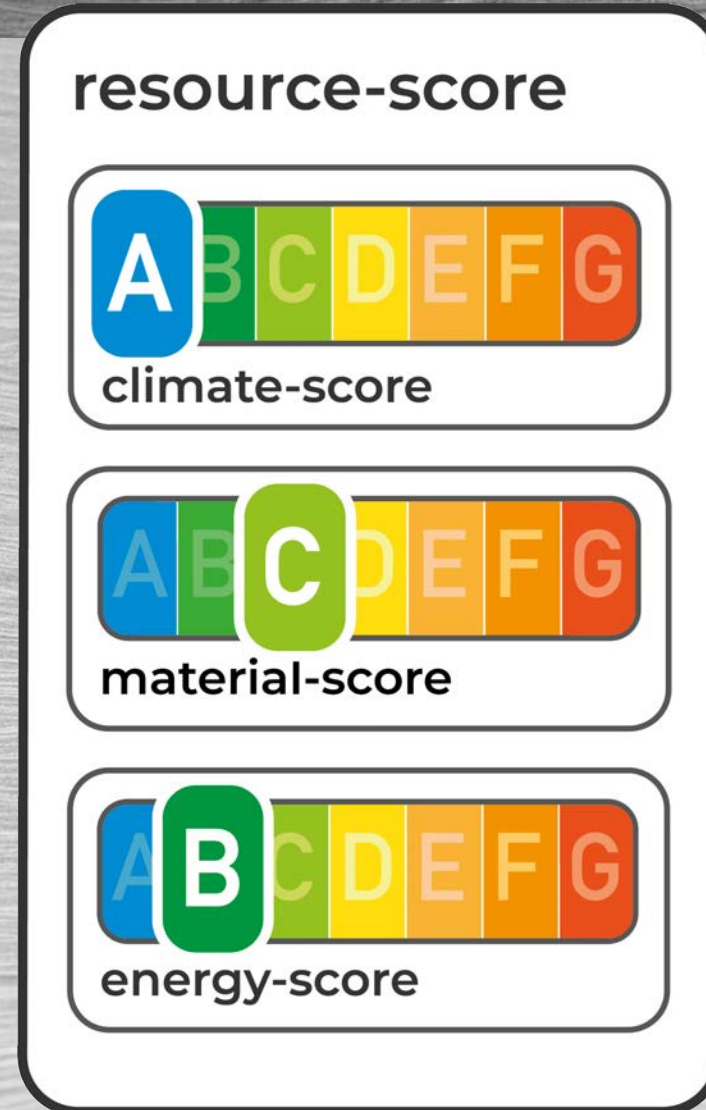
- Uses known scheme
- Built on factor X
- Performance at a glance
- A (blue): Development goal
- B (green): Best on the market so far
- G (red): the worst, BUT: G still EnEV / GEG compliant!
- Based on data from hundreds of calculated buildings

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- Game Changer
- Shows unfailing performance in terms of 3 turnarounds
- High diffusion potential
- Goal: Every new building gets a resource score



resource-score



Gebäudedaten:

Musterhaus
Siedlung Donnerberg
Umbauter Raum: 565 m³
Beheizte Fläche: 145 m²

Ort:

52222 Stolberg, Musterstraße 123

Zertifiziert durch:

ResScore GmbH

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www.resource-score.eu

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Thanks for your attention!

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