

## 2021 PDC Impact Risk Summary: Day 3



### **Characterization Summary & Updates**

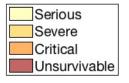
- Assessment date: 30 June 2021
- Impact date: 20 October 2021 (<4 mo.)</li>
- Impact probability: 100%
- Diameter: mean 136 m, range ~35–500 m
- Energy: mean 136 Mt, range 0.7–3700 Mt
- Entry: 15.2–15.3 km/s, 50–55° entry angle
- Properties: unknown type or physical properties

# Leipzig Prague Ljubljana Zagreb

### **Damage Swath**

Full range of regions potentially at risk to ground damage, given all potential impact locations and largest damage.

Sample average damage sizes over largest cities



### **Hazard Summary**

- Affected Population: 0–6.6M, average 580k, most likely several hundreds of thousands
- Primary hazard is airburst or impact causing blast overpressure and possibly thermal damage
- Damage radii: 0-250 km, average ~80 km
- Damage levels: minor structural damage and burns to potentially unsurvivable levels

### **Affected Population Risks**

