Effects of Datum and Projection of the Data for Earthquake Loss Assessment

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Involves:

• Estimations
• Assumptions
• Uncertainties
Uncertainties  

Accuracy

The goal on HAZTURK project:
Minimize the uncertainties as much as possible.

Effects of Datum and Map Projections

Different datum and projections may cause differences on distance, angle, and area calculations.

Distance to epicenter is a key parameter for strong ground motion estimation for earthquakes.
Conclusion

In the software developed within the scope of the loss assessment study for Istanbul:

- Administrative and numerical units are adjusted to Turkish standards,
- Location errors caused by datum and projections are eliminated by standardization,
- Attenuation relations specific to Turkey are utilized.

THANK YOU