Software Comes and Goes. Data Stays Forever!

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STDM Online Service Provider
Imagine you are a **Software Developer**

The data is wrong
The client uses stupid boring old software
There is no metadata
The UML schema is an outdated screenshot
The client is

... kind of

... ignorant...
Imagine you are a **Data Manager**

- The fucking encoding is wrong. Always!
- Why "CR + LF" instead of just a new line?
- 0.000233 ~ 233 ~ '0.000233' ~ 0.000233
- Is it
  - 03. 12. 2017
  - 12. 03. 2017
  - 2017.03.12

Data models nightmares:
Who is Right?

Obviously both are right.

But their perspectives are different.
Data is a Nuisance

Data is a nuisance.
It never works.
It stubbornly refuses to "flow" into the software.
The software is right, so the data must be wrong.

So, let's fix the data...

Done!
STOP!
This is where trouble starts!

Because software comes and goes.

But data stays
Especially geospatial data!
Think about Historic Data!

- When Data grows old it becomes a historic document.

- Historic data shows change over time.

How cool is that!
10 Extraordinary Google Earth Timelapses Show Earth's Transformation In 30 Years

Image Source: https://www.youtube.com/watch?v=kPOElyTKavk
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10 Extraordinary Google Earth Timelapses Show Earth's Transformation In 30 Years
Wow!

Do that with software!
Version 1.0
Millenniumn Edition
Professional Edition
Enterprise Edition
Legacy Edition
A problem has been detected and Windoze has been shut down to prevent damage to your computer.

The problem seems to be caused by the following file:

0x0000001E, KMODE_EXCEPTION_NOT_HANDLED
0D: General Protection Fault

Your Software is deprecated.
Historic Software?

Are you Joking?

Nobody is interested in old software! Software gets outdated and dies.
But Data is Alive!

Data grows and becomes more complex.

This is not nice but a reality.

Deal with it!
Data does not go Crazy!
Software Goes Crazy!

BELIEVING ONESELF TO BE PERFECT IS OFTEN THE SIGN OF A DELUSIONAL MIND.

Image source: http://alphacounter.com/
The Biggest No-Go!

Never even dare to

Think

that you have to make

your data work with some software!
Land Administration

What does this have to do with me?
Money and Cost

Investment goes into Data!

This is a Simple Reality!

Software is „soft“

...use it, throw it away!
Software „Life Cycles“

Just a money printer for vendors!
Software IS Important

But consider:

- Using proven and vetted Open Source.
- Ask your service provider the right questions.
- Use several different software packages.
- Collaborate with others who have the same problems.

Build your own software development team!
Summary

**Data** is important!

Software is **not** important.

Software comes and goes.

What you **know** stays!
Thank You

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World Bank Conference on Land and Poverty 2017

This is the 32-bit version. Find the 64 bit live video version here: https://av.tib.eu/media/20293