Enabling Grids for E-science in Europe

www.eu-egee.org

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The GENIUS portal

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The Grid metaphor

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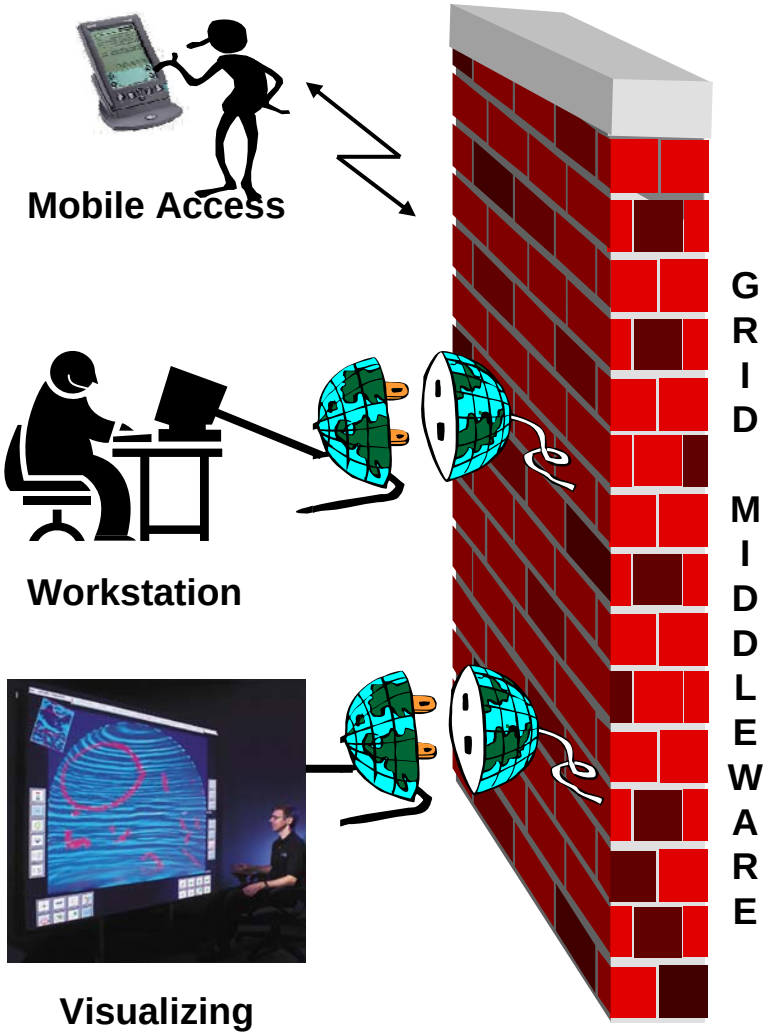

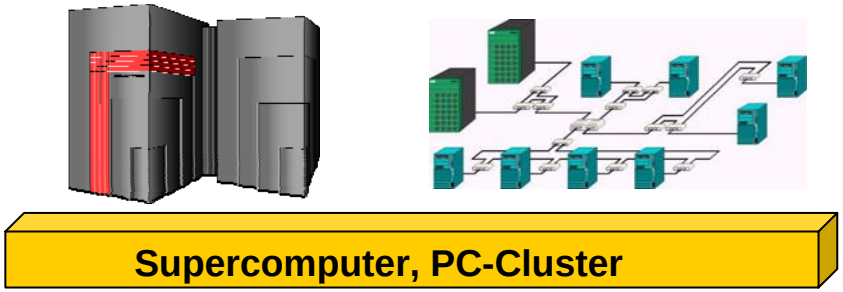

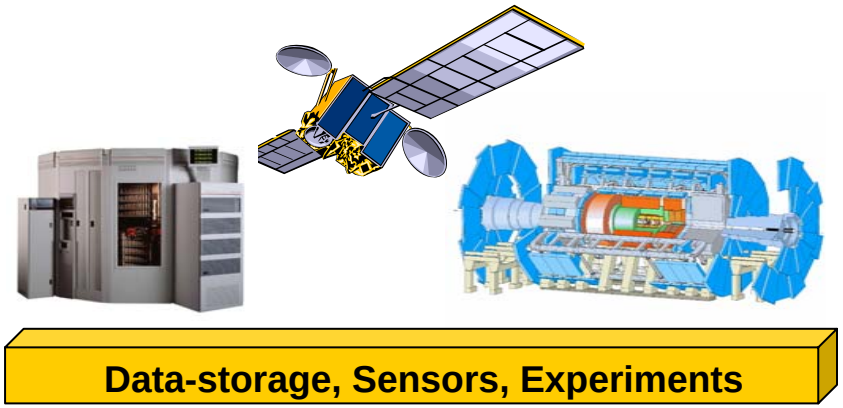

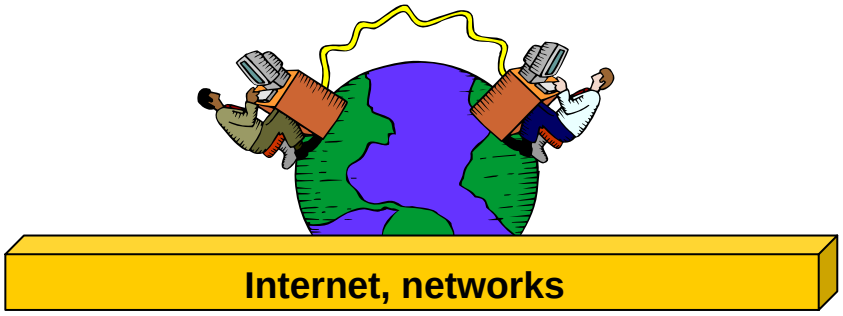

A grid portal: why and how

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- It can be accessed from everywhere and by “everything” (desktop, laptop, PDA, cell phone).
- It can keep the same user interface to several back-ends (single sign-on).
- It must be redundantly “secure” at all levels: **1)** secure for web transactions, **2)** secure for user credentials, **3)** secure for user authentication, **4)** secure at VO level.
- All available grid services must be incorporated in a logic way, just “one mouse click away”.
- Its layout must be easily understandable and user friendly.

The GENIUS hourglass model

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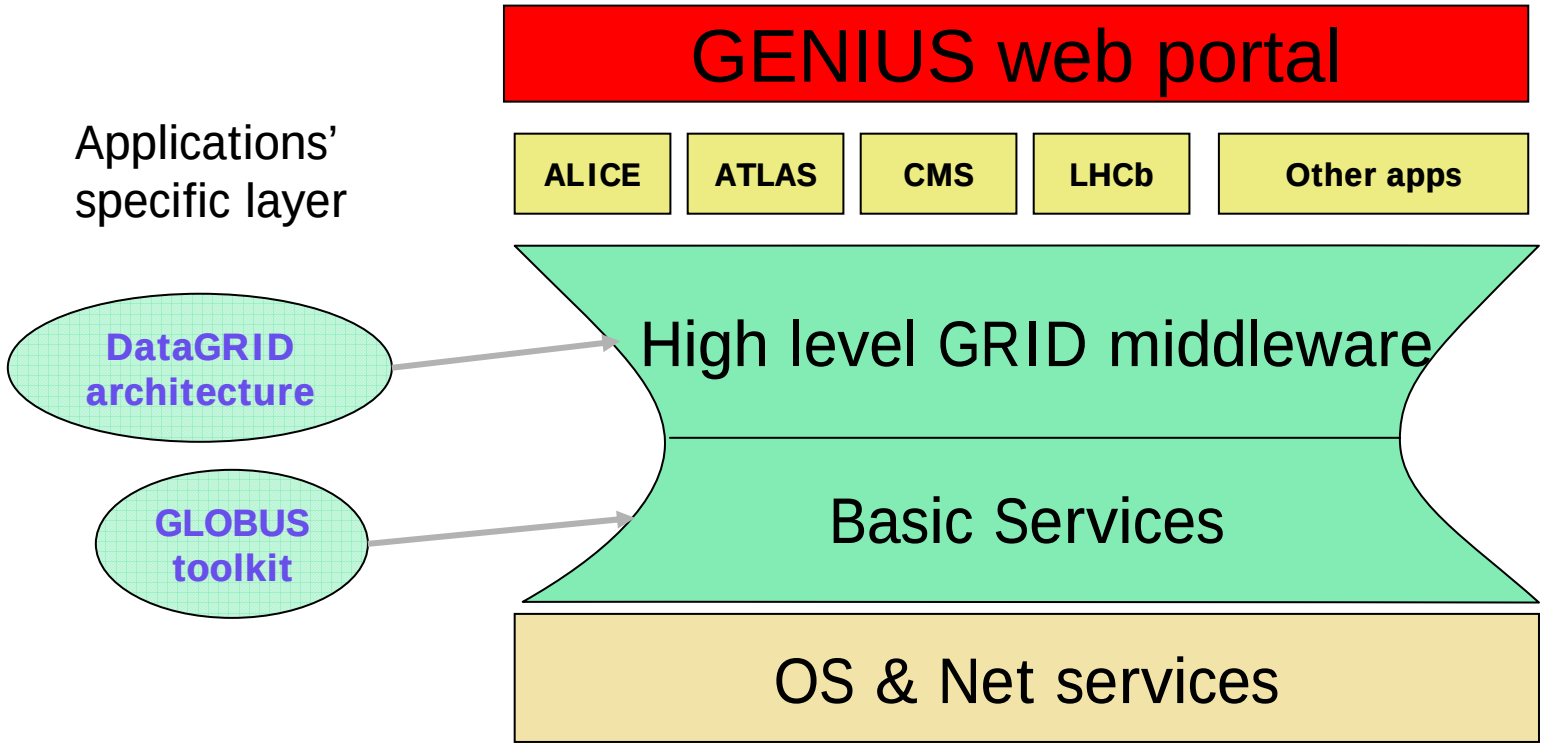
GENIUS®

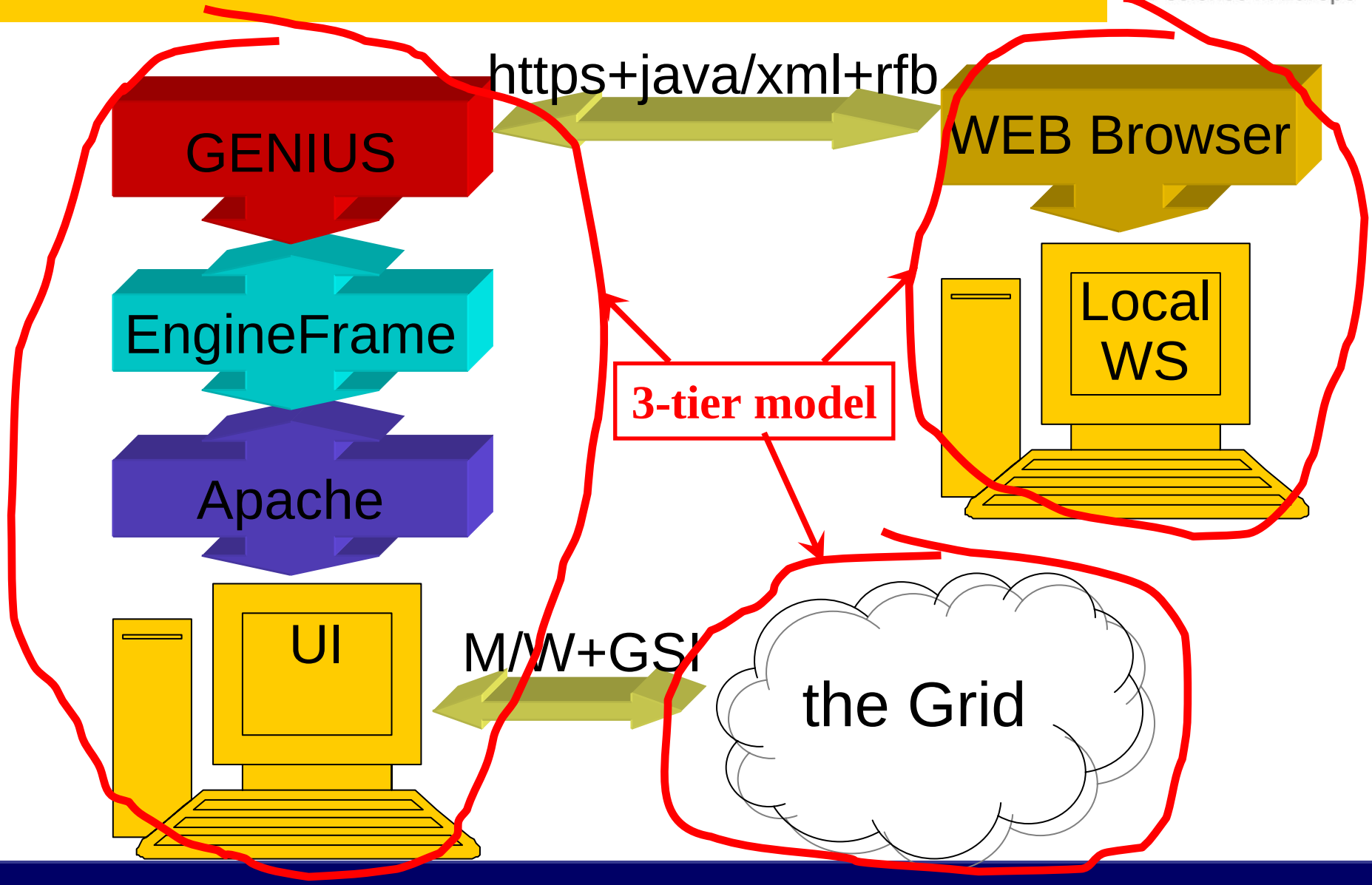
(Grid Enabled web eNvironment for site Independent User job Submission)

[https://genius.ct.infn.it]

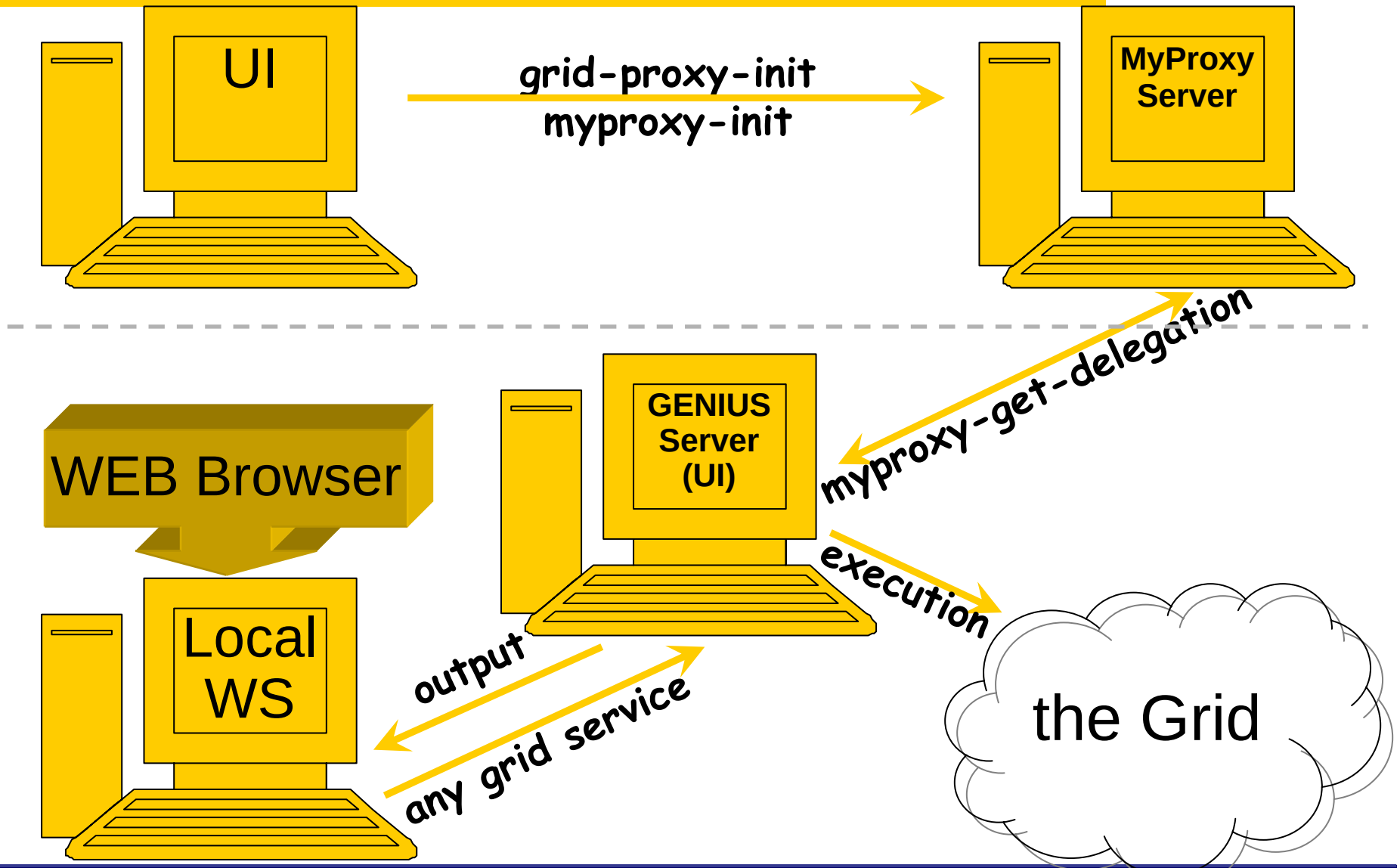
INFN/NICE collaboration



GENIUS: how it works



Grid authentication with MyProxy



Let’s get to the practical:

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