



LOLA

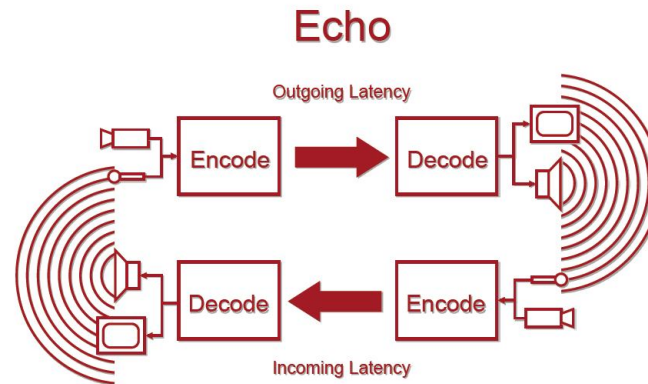
A dream made true

... and some headaches!

Claudio Allocchio
Consortium GARR

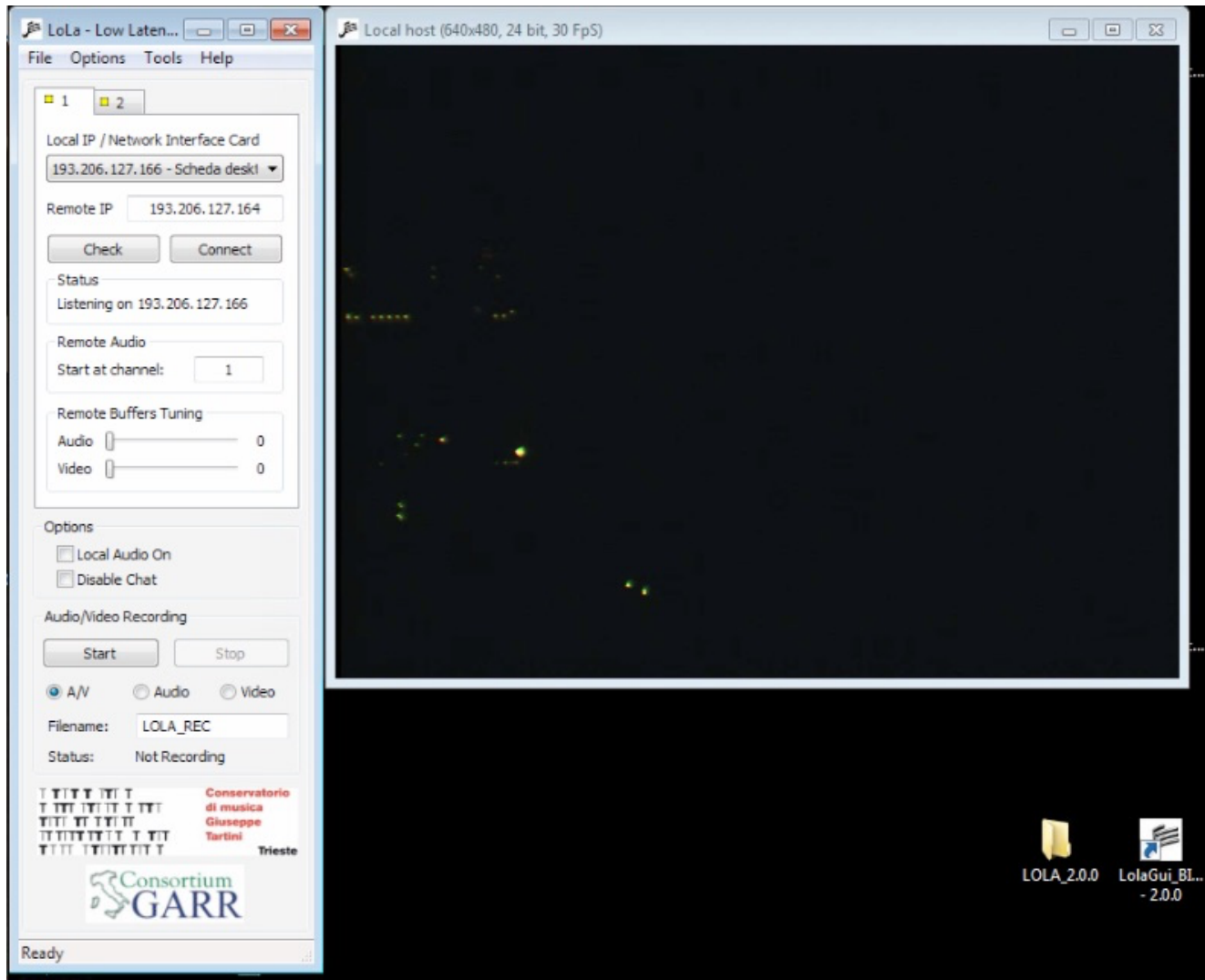
Natural Human Interaction

***Latency is not just an impediment to musical interaction;
it's an impediment to human interaction!*** Dan Nichols (NIU)



***Delay and Echo
cause discomfort
after a while...
and makes
impossible real
discussions!***

... and given for "granted"



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Issues: have "good" network

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Research and Education networks are not everywhere and not for everyone.

(Many) commercial providers are way back from the required service level

Many LANs are obsolete

... but we enabled features to make less hi-level demand on network

... and Smart "symmetric" GIG-City services are appearing!

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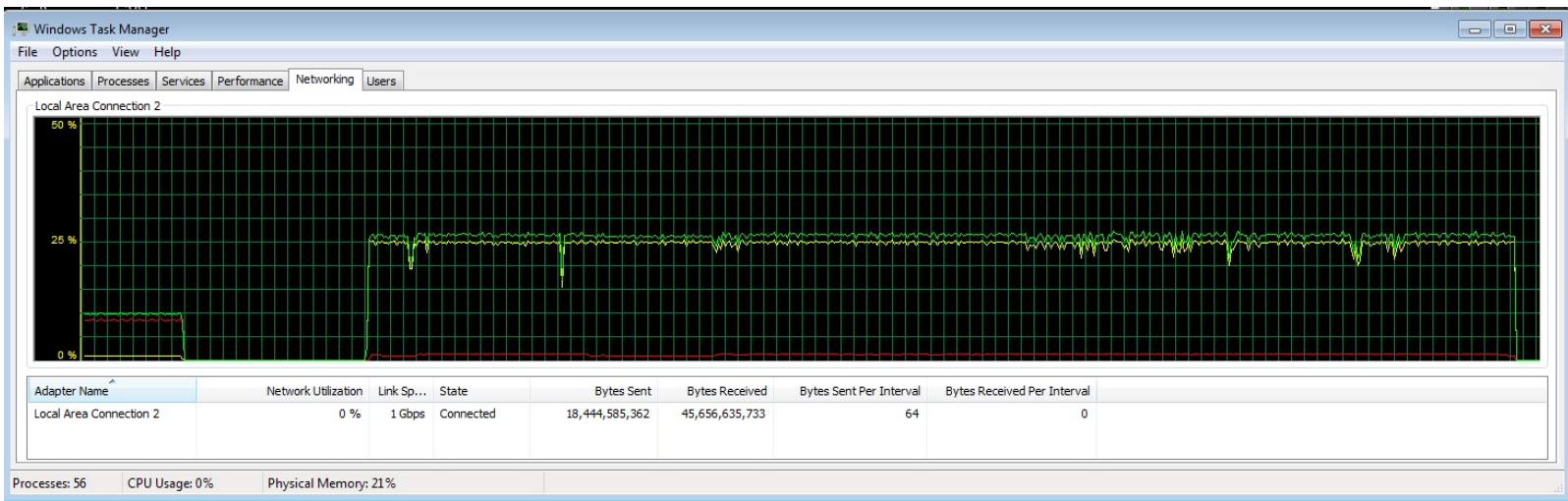


Headaches behind a success story

Internet 2012 Fall Meeting: Plenary LOLA concert with NIU

Monday morning: business week starts again.

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The ISP local loop Hotel to Internet2 backbone was a "virtual 2 x 1G" built on top of various shared layers with no guarantee of packets order and queue priority.

