Global Microbial Identifier – an introduction

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Meetings so far – the seeds of GMI

1st meeting – Brussels. Sept 2011

2nd meeting – Washington Oct 2011

3rd meeting - Washington March 2012

4th meeting – Washington Sept 2012

Global Microbial Identifier

- A “grand Challenge” approach – building a data resource to enable early identification, support optimal responses, prevent epidemics and reduce the socioeconomic burden of disease.
- Knowledge sharing on a global scale – both to answer immediate questions and to generate new knowledge

GMI Vision and objectives

• A focussed, collaborative and inclusive approach to develop a global system to aggregate, share, mine and use microbiological genomic data to address global public health and clinical challenges

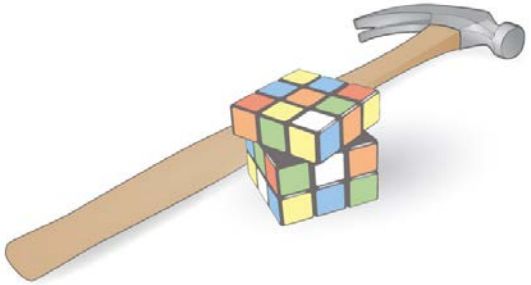
•Such a system should promote equity in access and use of the current technology worldwide, enabling cost-effective improvements in plant, animal, environmental and human health.

•Recent advances make this a realistic goal and to operate in real time.

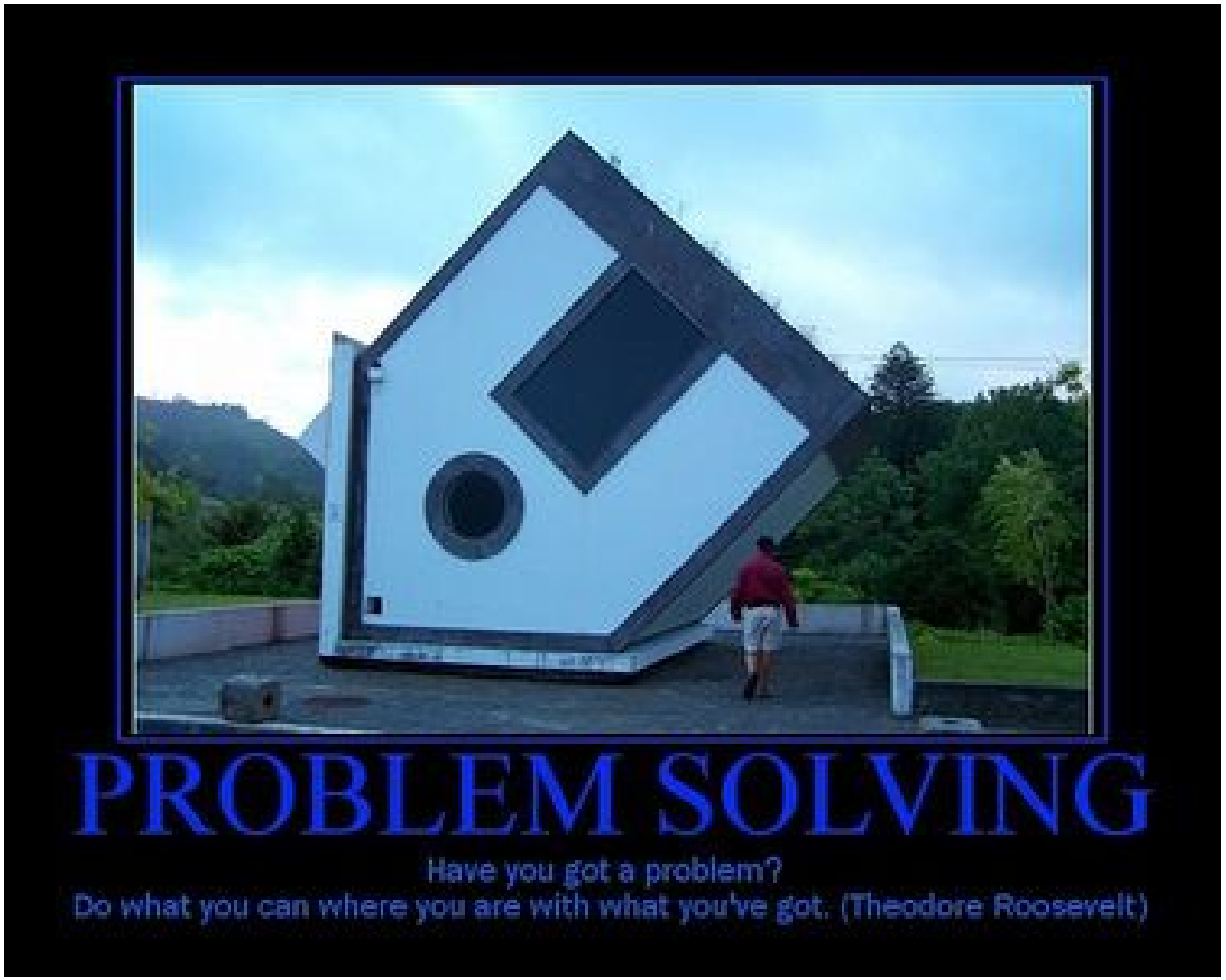
• Utilising rapid and robust sequencing technology underpinned by bioinformatics and “end-user friendly” reporting could be accessed both for single clinical tasks (simple microbiological identification) as well as for national and international public health surveillance and outbreak investigation and response.

The end of the beginning – moving on

SOLVE problems



GLOBAL MICROBIAL IDENTIFIER


PROBLEM SOLVING
Have you got a problem?
Do what you can where you are with what you've got. (Theodore Roosevelt)

GLOBAL MICROBIAL
IDENTIFIER