









ALICE Connex

Mobile Volunteer Computing and Edutainment Platform

Gantaphon Chalumporn

Advisor: Dr.Tiranee Achalakul Supervisor: Filippo Costa
Computer Engineering
King Mongkut's University of Technology Thonburi, Thailand

ALICE Connex

Mobile Volunteer Computing

Edutainment

Why Mobile Volunteer Computing?

- Number of smartphones already overtake number of personal computers in 2014
- Smartphone is inactive and plugged-in on average of 7 hours each night

Why Edutainment?

Public education focus on knowledge

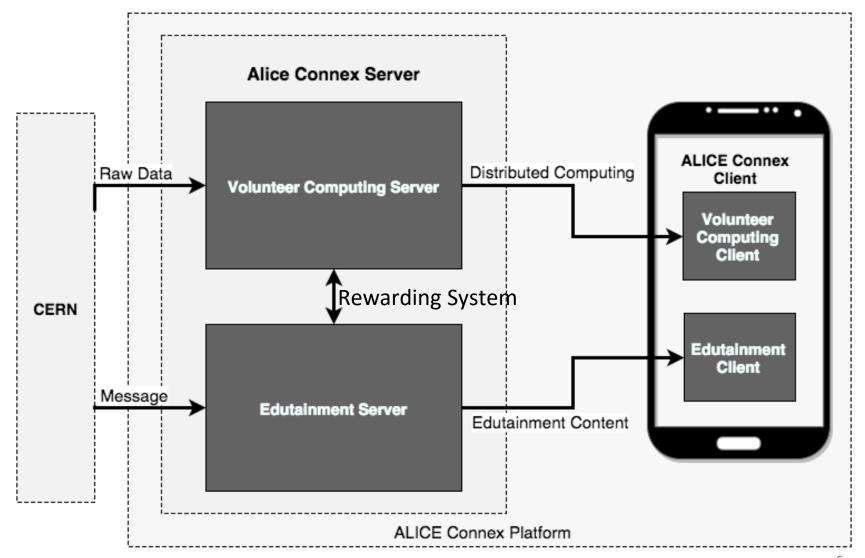
Channel to approach young generation

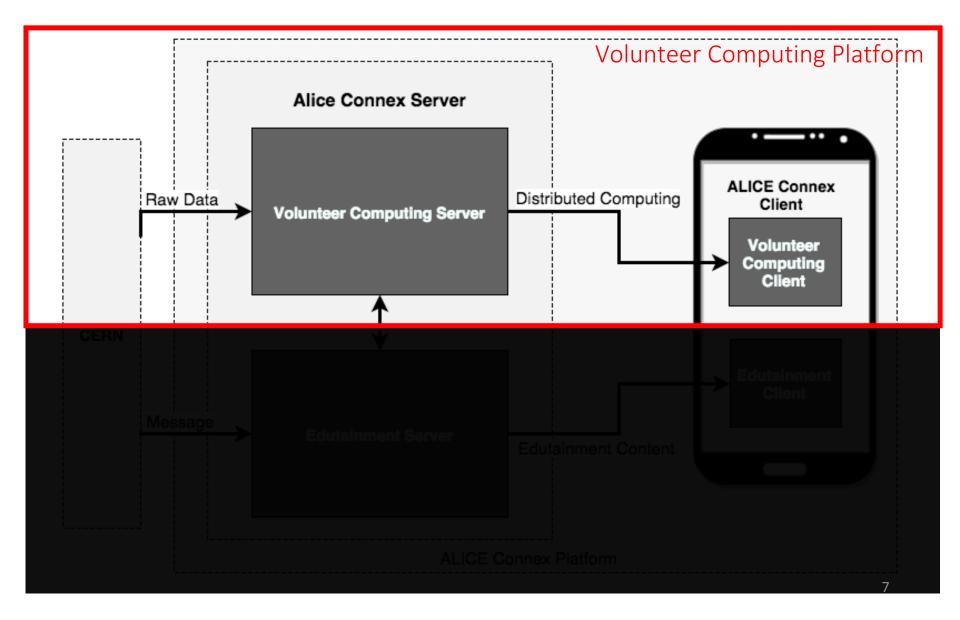
Aim & Objective

 Exploit Inactive cycle of Mobile Devices (Volunteer Computing)

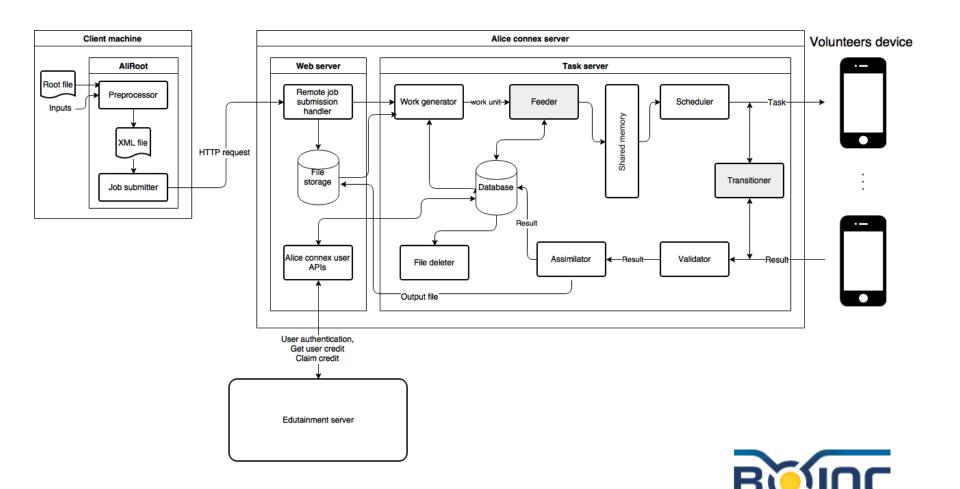
 Promote Science to the communities (Volunteer Computing / Edutainment)

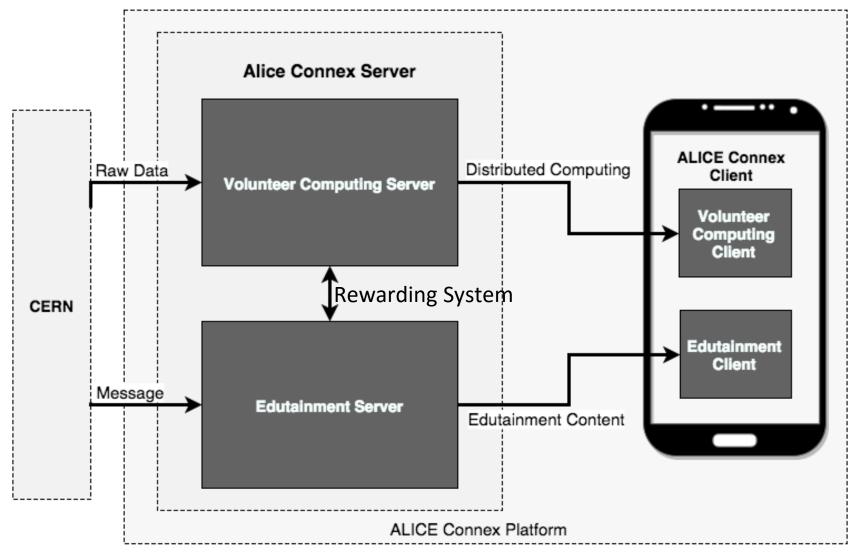
 Promote Science to Young Generation (Edutainment)

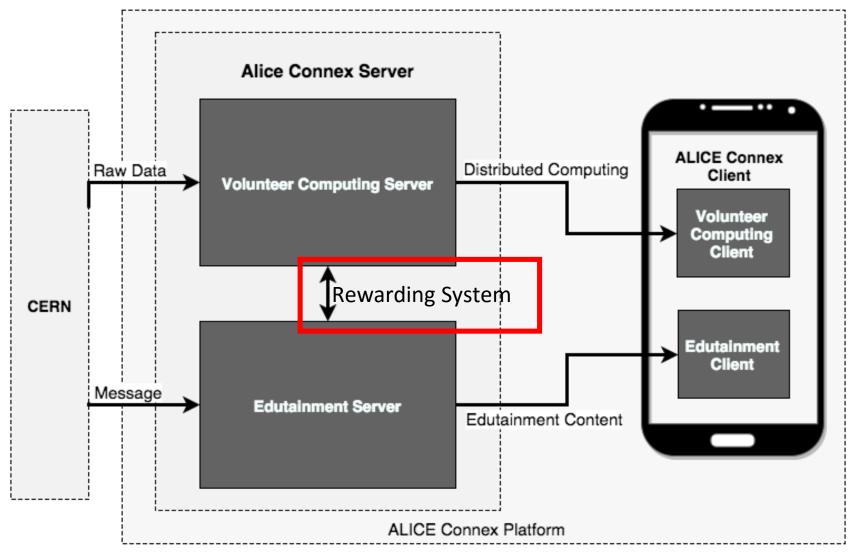


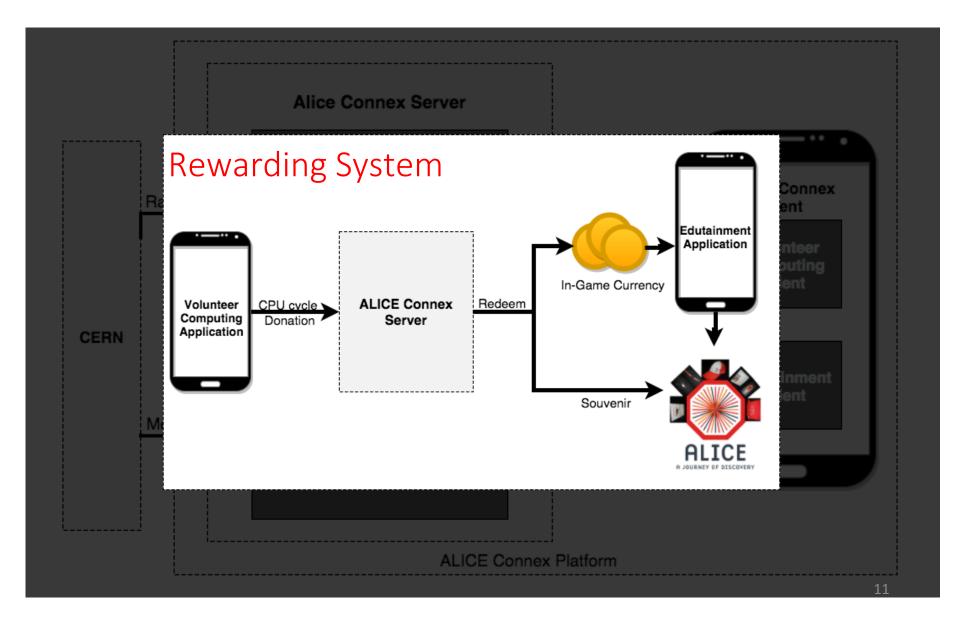


Volunteer Computing Components

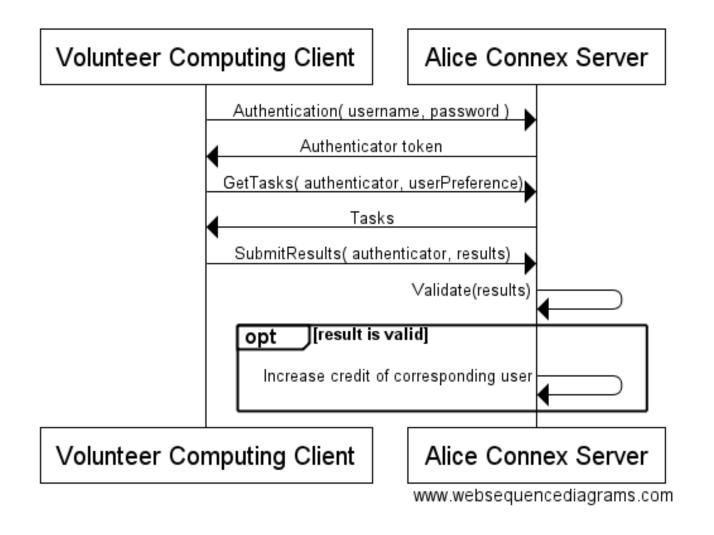




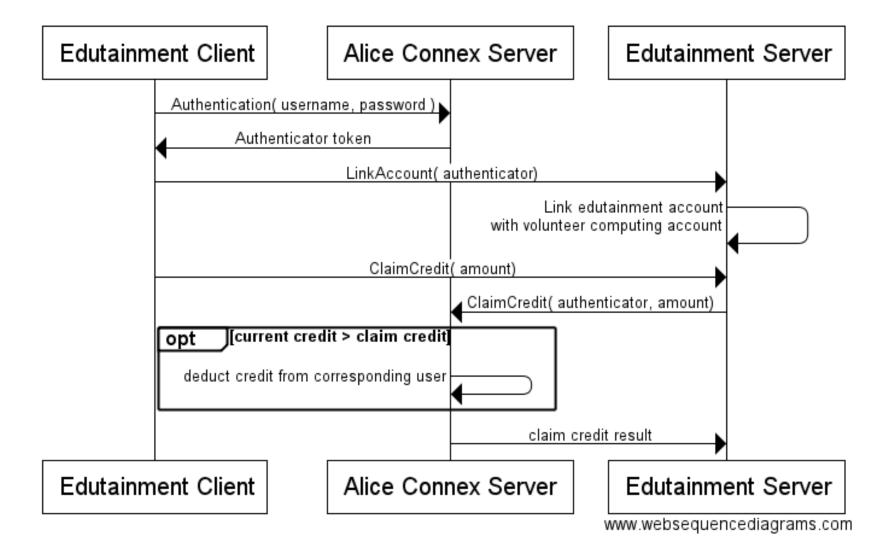




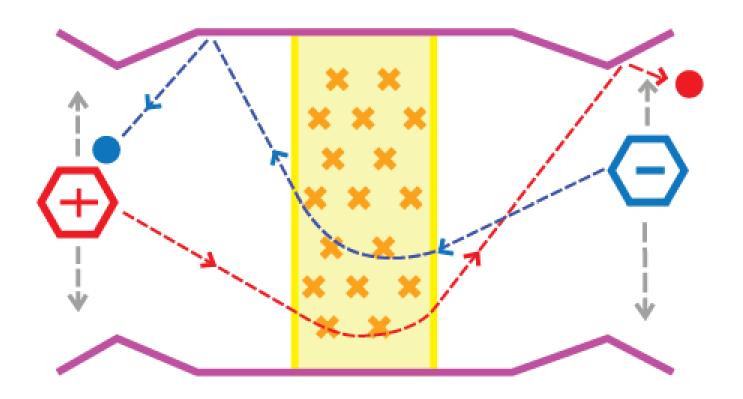
Rewarding system



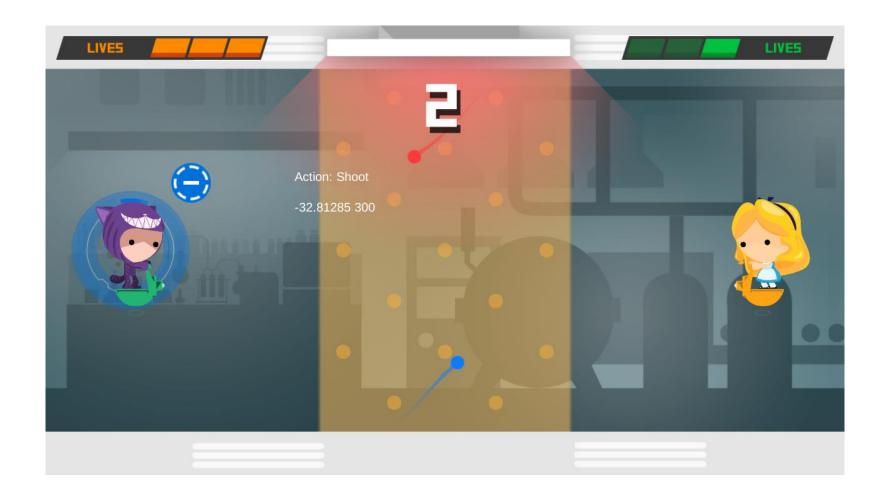
Rewarding system



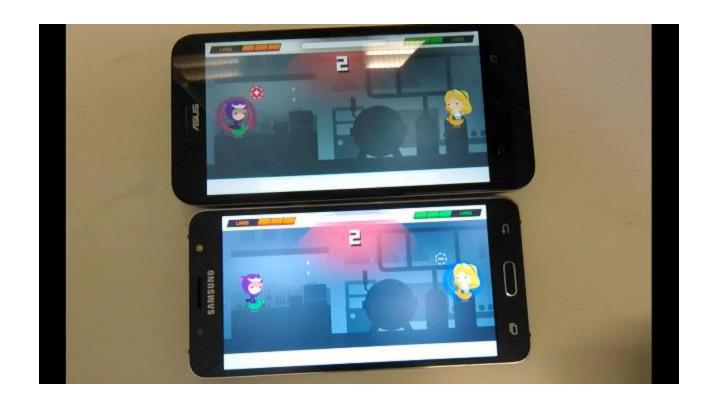
Edutainment Design



Our Prototype: Particle Shot



Our Prototype: Particle Shot



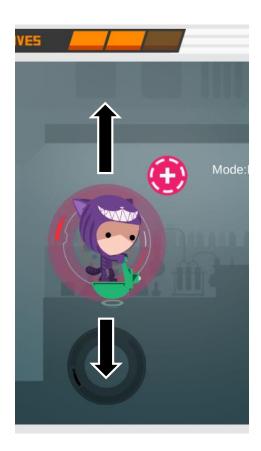
Control

Change Charge





Move

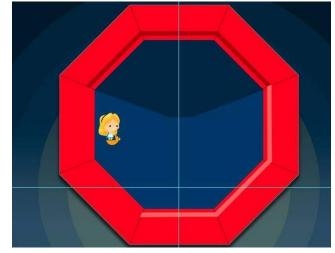


Shoot



In Progress







Q&A

Thank you