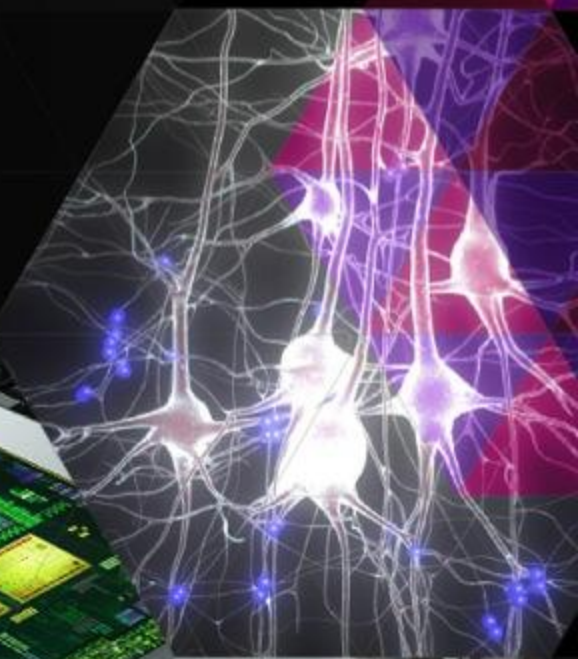




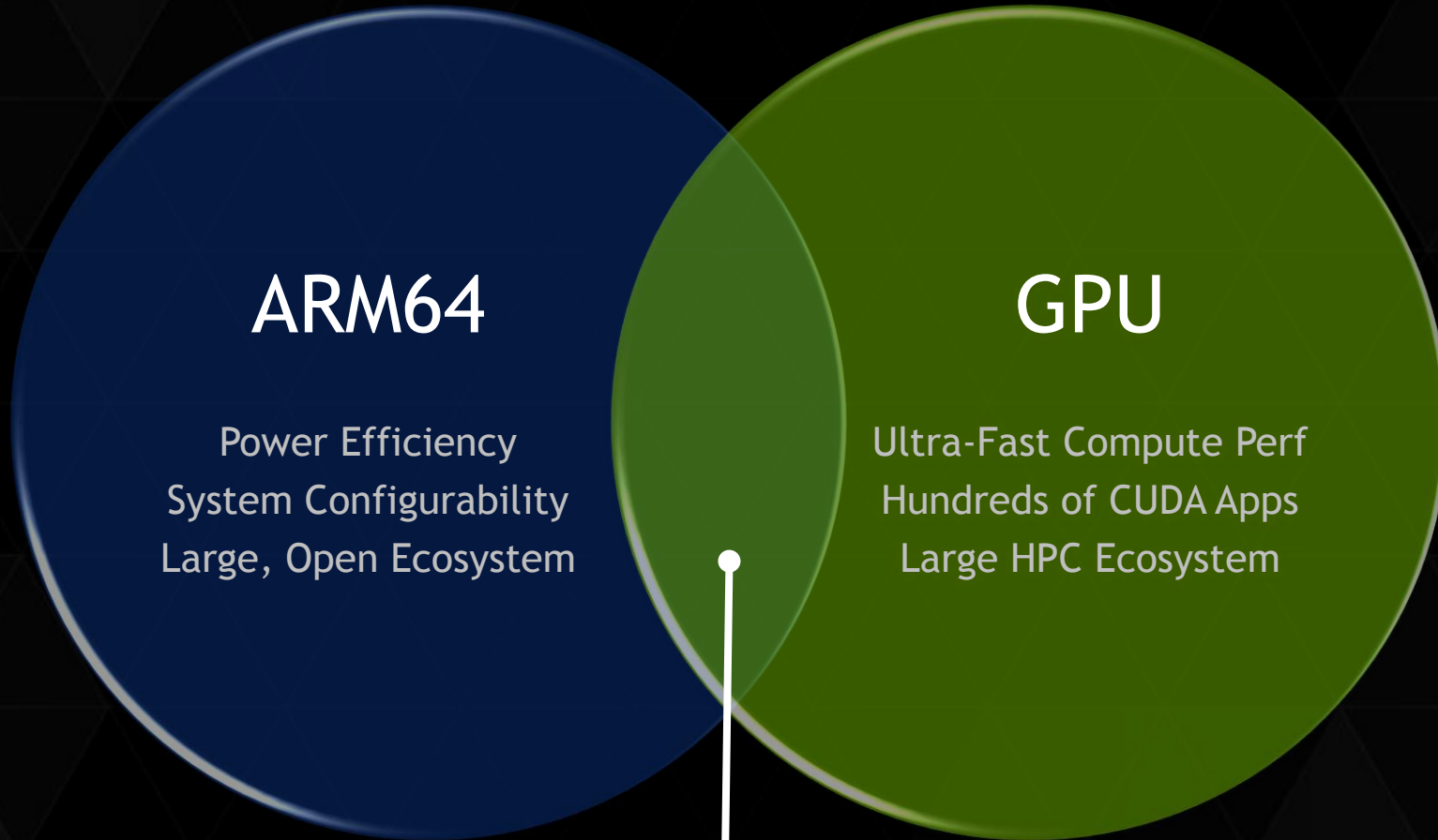
# FORUM TERATEC

Denis Gerrer

01/07/2014



# GPUS PROPEL 64-BIT ARM INTO HPC



GPUs make ARM64 Competitive  
in HPC from Day One

# NVIDIA GPUS ENABLE ARM64 ENTRY INTO HPC

## World's First ARM64 + GPU

Applied Micro X-Gen ARM64  
Platform

8-Core 2.4GHz CPU

Strong Single Thread Performance

Tesla K20 GPU Accelerator

1+ TFLOPS Floating Point



## Available From



# GPU-ACCELERATED ARM64 DEVELOPMENT PLATFORMS NOW AVAILABLE



 Cirrascale.

RM1905D Development Platform  
1U Rackmount Server  
2x ARM64 CPUs + 2x Tesla K20  
GPUs

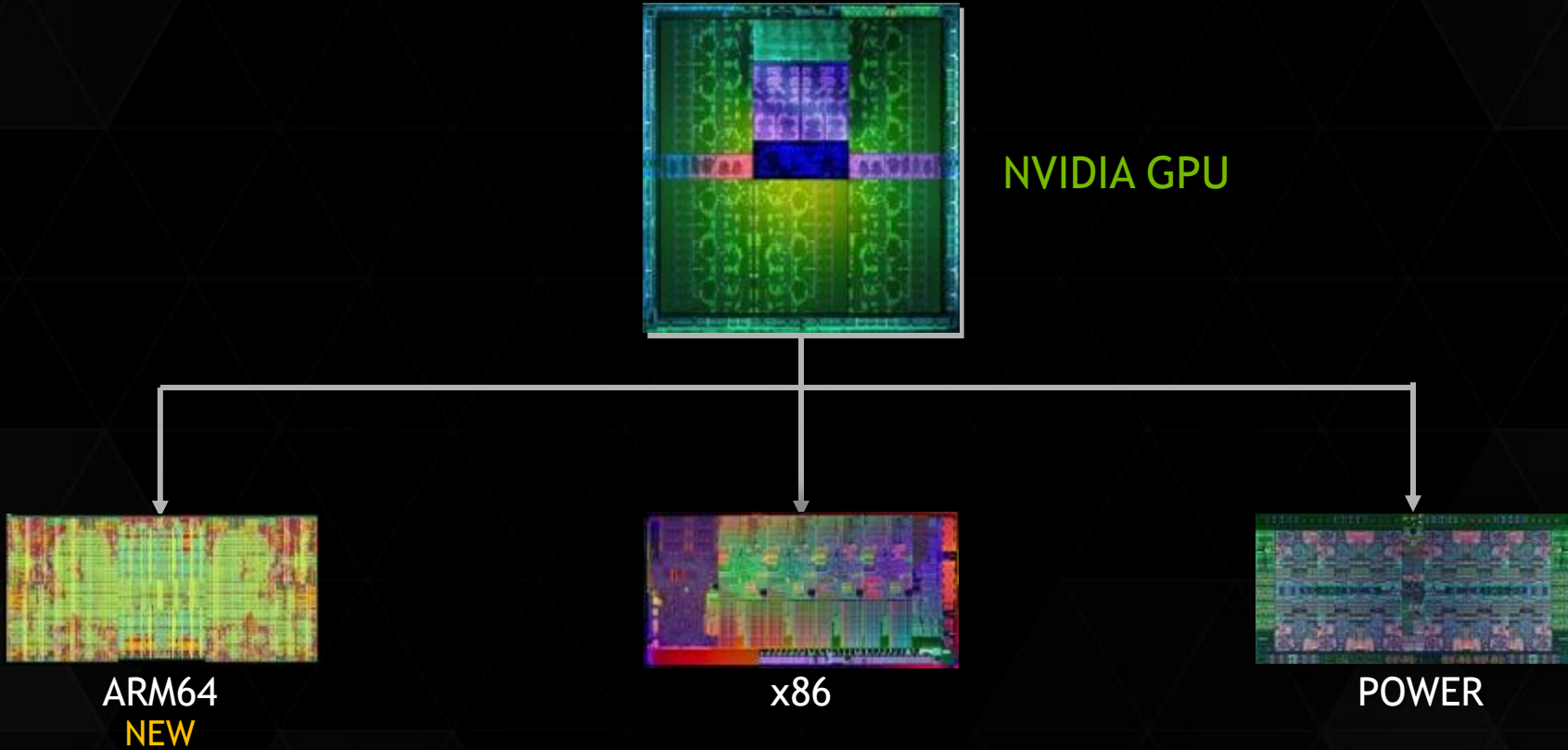


# AVAILABILITY OF ARM64 PLATFORMS

Partner & System	System Description	Availability	Contact
CirraScale RM1905D	1U Rackmount 2x ARM64 CPUs + 2x Tesla K20 GPUs	Order now Start Shipping: End of July	Al Lucarelli <a href="mailto:al.lucarelli@cirrascale.com">al.lucarelli@cirrascale.com</a>
E4 Computer Erka	3U Rackmount 2x ARM64 CPUs + 2x Tesla K20 GPUs	Order now Start Shipping: End of July	Piero Altoè <a href="mailto:piero.altoe@e4company.com">piero.altoe@e4company.com</a>
Eurotech Aurora	High density, Liquid cooled 8x ARM64 CPUs + 32 Tesla K20 GPUs in 3U space	Est Availability Q4 2014	Giovanbattista Mattiussi <a href="mailto:Giovanbattista.Mattiussi@eurotech.com">Giovanbattista.Mattiussi@eurotech.com</a>

Production Server Systems will available in Q4 2014

# GPU ACCELERATION ACROSS ALL PLATFORMS



# WORLD'S FASTEST ENTERPRISE SUPERCOMPUTER



3 Petaflops Linpack Performance

Most Energy-Efficient Petascale  
System in the World

3,000 NVIDIA Tesla K20X GPU Accelerators

Maximizing Opportunity for Oil Discovery with  
GPU-powered Supercomputer

