NASA Human Health and Performance Center (NHHPC)

International Space Medicine Summit IV
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May 21, 2010

Exploring Space, Enhancing Life
NHHPC

• Purpose – the NHHPC provides a collaborative forum to integrate all disciplines of the human system

• Scope
  – Suborbital, orbital and beyond LEO space flight
  – Aviation
  – Terrestrial human health and performance issues
NHHPC

• Benefits
  – Facilitate collaborative projects between participants
    • Leverage resources for projects too large for any one participant
  – Collect, integrate, disseminate knowledge
  – Assess an promote innovative models for research and technology development
    • Open innovation approaches
  – Provide effective virtual and in-person workshops and conferences

• Themes (just examples)
  – Health
  – Performance
  – Environment
  – Commercial Space
  – Education

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• Potential members and participants
  – NASA centers
    • JSC, Ames, Glenn beginning to integrate
  – NASA programs
    • Human Research Program
  – Space flight agencies
  – Other government agencies
    • FAA Office of Commercial Space Transportation
    • NIH, NIST, NSF
  – Academia
    • NSBRI
    • UTMB
  – Industry
    • Commercial space flight

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• Administration
  • Jointly sponsored by Space Operations and Exploration Systems Mission Directorates

• Team
  • Director, JSC (Jeff Davis)
  • Deputy Director, ARC (Carol Carroll)
  • Executive Secretary
  • Executive Council from members

• Location
  • JSC

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- Current activities
  - Charter under review at ESMD and SOMD, approved by JSC, ARC and Chief Health and Medical Officer
  - Budget request for 2011
    - For administration, not a funding entity
  - Initial meeting for ISS utilization collaboration May 6 – JSC, ARC and GRC
    - Successfully integrated 3 proposals for ISS
  - Co-sponsored workshop with the FAA about the human system for commercial space operators
  - Life Sciences Academy at JSC
  - Initial operations planned September 2010

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