

# **Workshop Sessions: Potential Opportunities**

## **Delivery Devices and Formulation**

**Next-Generation Vaccine Delivery Technology Meeting**  
Geneva, Switzerland

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## Short Term Goals (within 5 years)

- Analysis of past lessons learned (polio, HepB, AD syringes, FluMist).
- Data generation on needs.
- Target product profiles (TPPs).
- Demand forecasting for new technologies.
- Establish procurement mechanisms which take into account overall value rather than price.
- Facilitate discussion among device manufacturers, vaccine manufacturers, and regulators.
- Validate ready-to-go technologies for immediate applications.

# TPP Considerations

- Define the problem statement.
- Harmonize conflicting requirements.
- Plan ahead to avoid changing requirements.
- Scenario of use (campaign, routine, last mile).
- End-user considerations (disposal, ease of use, time to deliver dose, use by community health workers).
- Must also consider system impact and look at portfolio of routine EPI vaccines together.
- Determine target price, demand, and timeline.

## Long Term Goals (10 years +)

- Focus on transformational technologies with multiple benefits
  - No more needles
  - No more manual reconstitution
  - Improved thermostability
  - Use by community health workers
  - Combination of multiple vaccines