Nestlé CocoaSoils: Status & Progress

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Objective
Build knowledge on soils management practices to make profitable cocoa farms by developing affordable fertilizer. The expected results are:

- a. Generate soil fertility and plant nutrition knowledge and support fertilizer use among farmers in order to improve yield
- b. Demonstrate fertilizer application profitable for farmers by increasing their revenue

Approaches
1. Implement Core trial & Monitor data collection
2. Set up Satellites trials at farmers’ level
3. Build knowledge on nutrient uptake and use by cocoa plant: PhD study with Wageningen University & Research (WUR), The Netherlands.

Timeline & Deliverables

<table>
<thead>
<tr>
<th>Year</th>
<th>Q1</th>
<th>Q2</th>
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<tbody>
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<td>2018</td>
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<td>Core trial &amp; Monitor data collection</td>
<td>Satellite trials</td>
<td>PhD study with WUR</td>
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- Core trial
  - Coordinates of the trial corner points done
  - Total size done: 2 ha
  - Number of sub-plots that can be established: 84
  - Banana trees shade system finalized
  - Irrigation platform finalized
  - Bananas cocoa trees planted
  - Soils sampling finalized
  - Trees for planting: 3000 ES+OS at rooting stage
  - Contract with hosted Center ANADER signed

- Satellite trials
  - Principle of agreement with IRAD-Cameroon
  - Protocols & Budget approved
  - Field work schedule validated

- PhD study with WUR
  - Contract signed to host & supervise PhD student
  - Protocols & Budget approved
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- Achievement

✓ Core trial
✓ Satellite trials
✓ PhD study with WUR
✓ Protocols & Budget approved
✓ Field work schedule validated

Approaches

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Deliverables

- Affordable fertilizer mixes for the next harvest
- Demonstrate fertilizer application profitable for farmers by increasing their revenue
- Build knowledge on nutrient uptake and use by cocoa plant: PhD study with Wageningen University & Research (WUR), The Netherlands.