



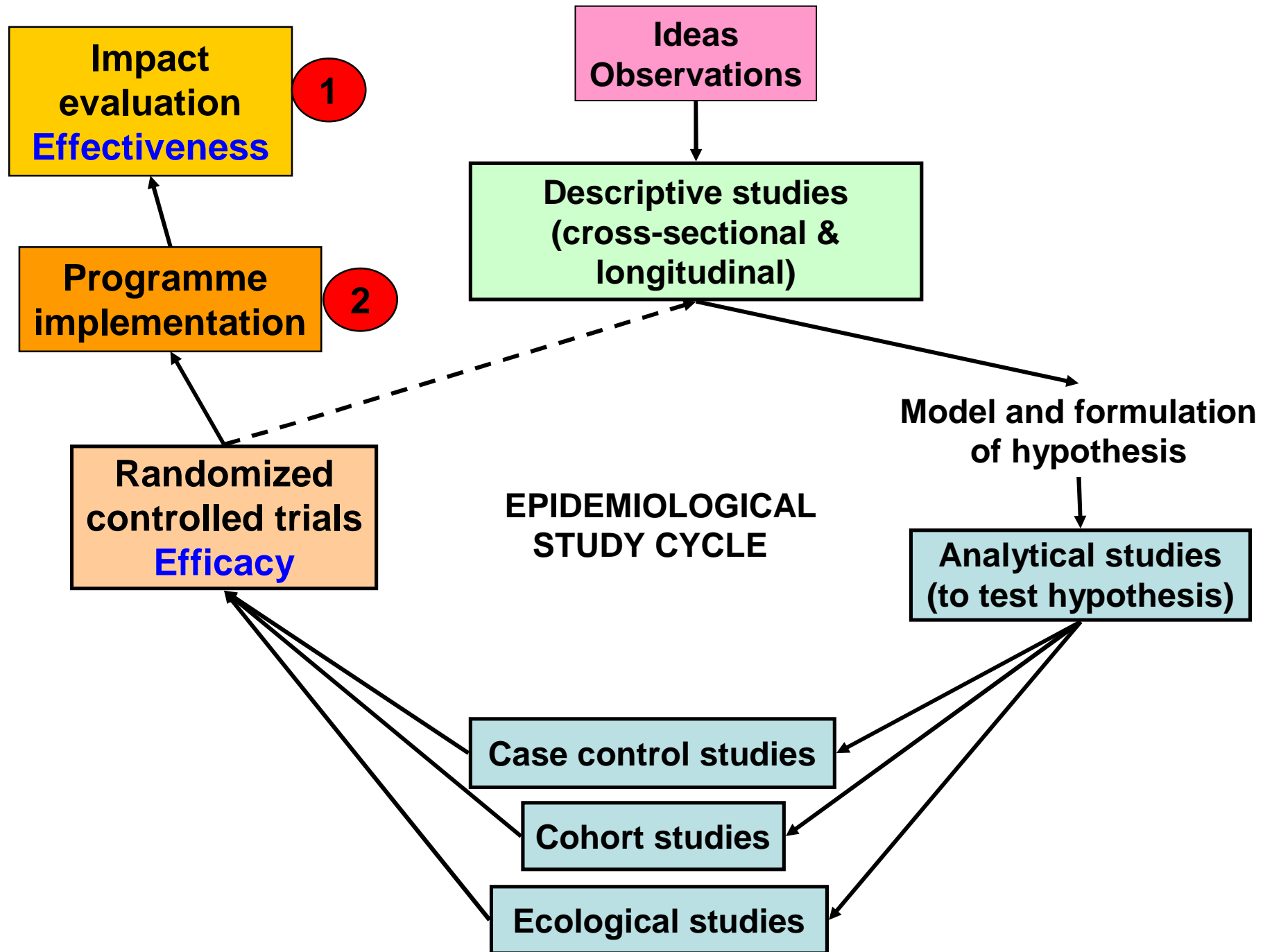
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# Moving from Research to Control Programme Implementation

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## **Bridging the “*knowledge gap*” - the minimum!**

**The usual way to go from phase 3 to programme implementation:**

**Publishing all available results in scientific journals; important to present also negative findings!**

**Present the findings at national and international scientific meetings.**

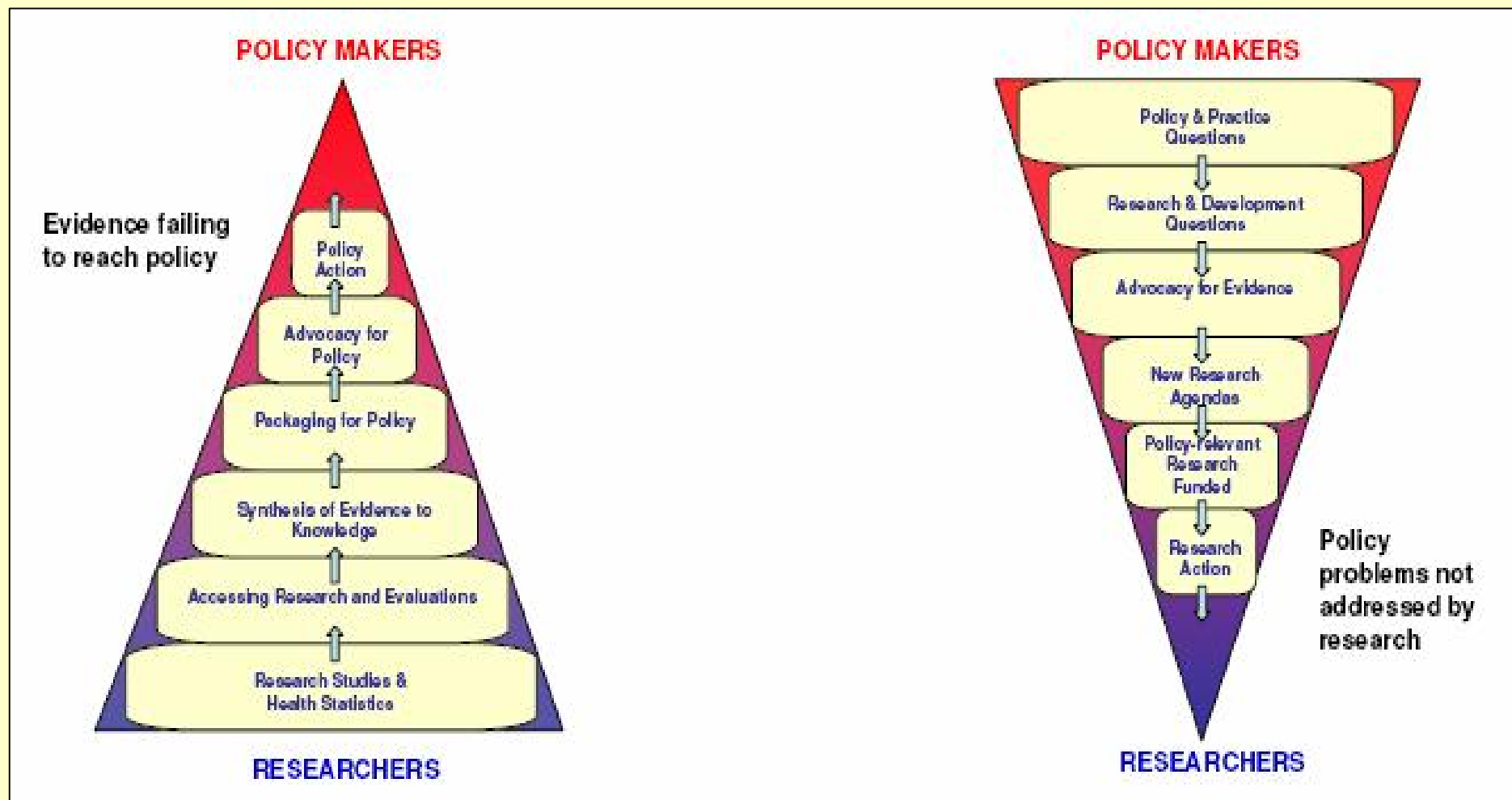
**Meetings at national level (ministry of health) to discuss policy implications and feasibility/desirability**

**Attend technical meetings (for example at the World Health Organization) to discuss the overall value of a new intervention**

**Complete a comprehensive review of all results from the different trials carried out in the world, if possible as a Cochrane Review (see below).**

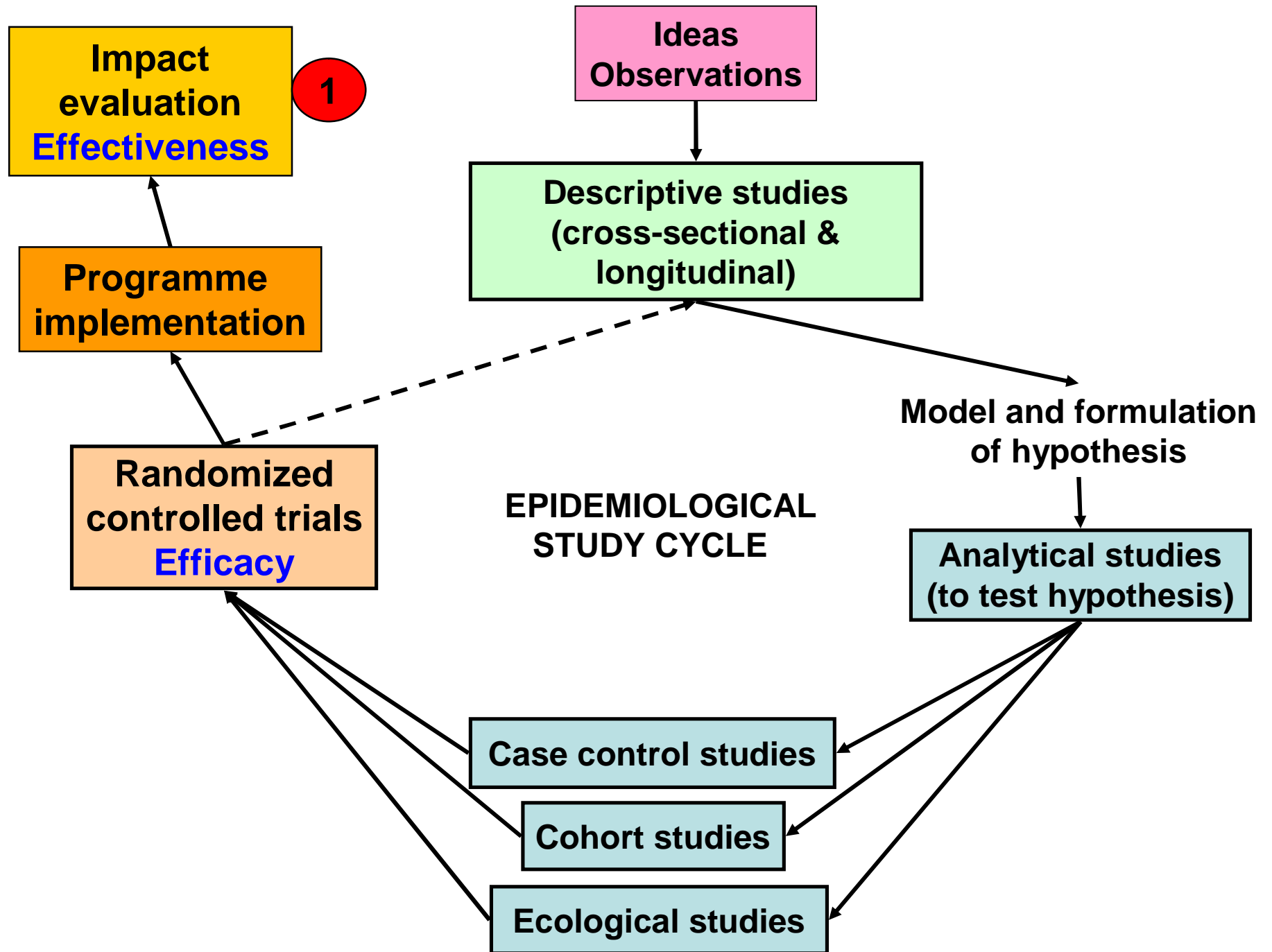
**A formal licensing procedure for drugs and vaccines, followed by intense marketing.**





Researchers are often frustrated by the slow pace of uptake of evidence into health policies (the *push* approach). Policy makers are often frustrated by the lack of timely information on key policy questions (the *pull* approach).

**Example:** circumcision for HIV prevention. Evidence seems solid... but how to design policy and implementation? REACH policy initiative in East Africa.



# Assessing Impact: Efficacy vs Effectiveness

**Efficacy:** measure of the impact of an intervention under ideal (maximal) conditions. Usually measured in Phase 3 RCTs and therefore likely to be bias-free. It gives the best possible measure of impact (the “goal” for programmes to reach).

**“How well can it work ?”**

**Effectiveness:** measure of the impact of an intervention under "real world" conditions. Usually measured in large-scale programmes.

**“How well does it work in practice”**



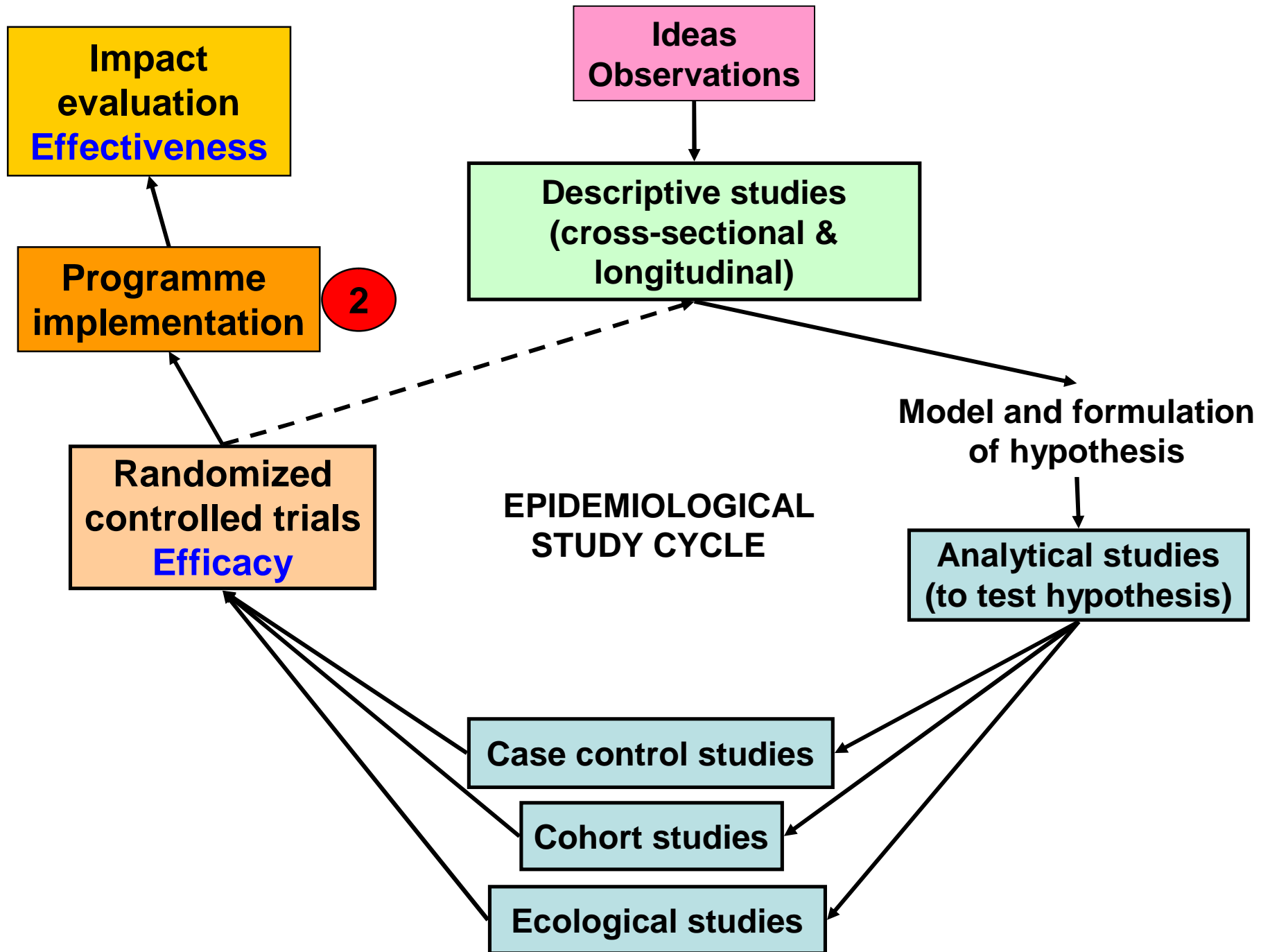
**The two measures should ideally be very close but this is often not the case...**

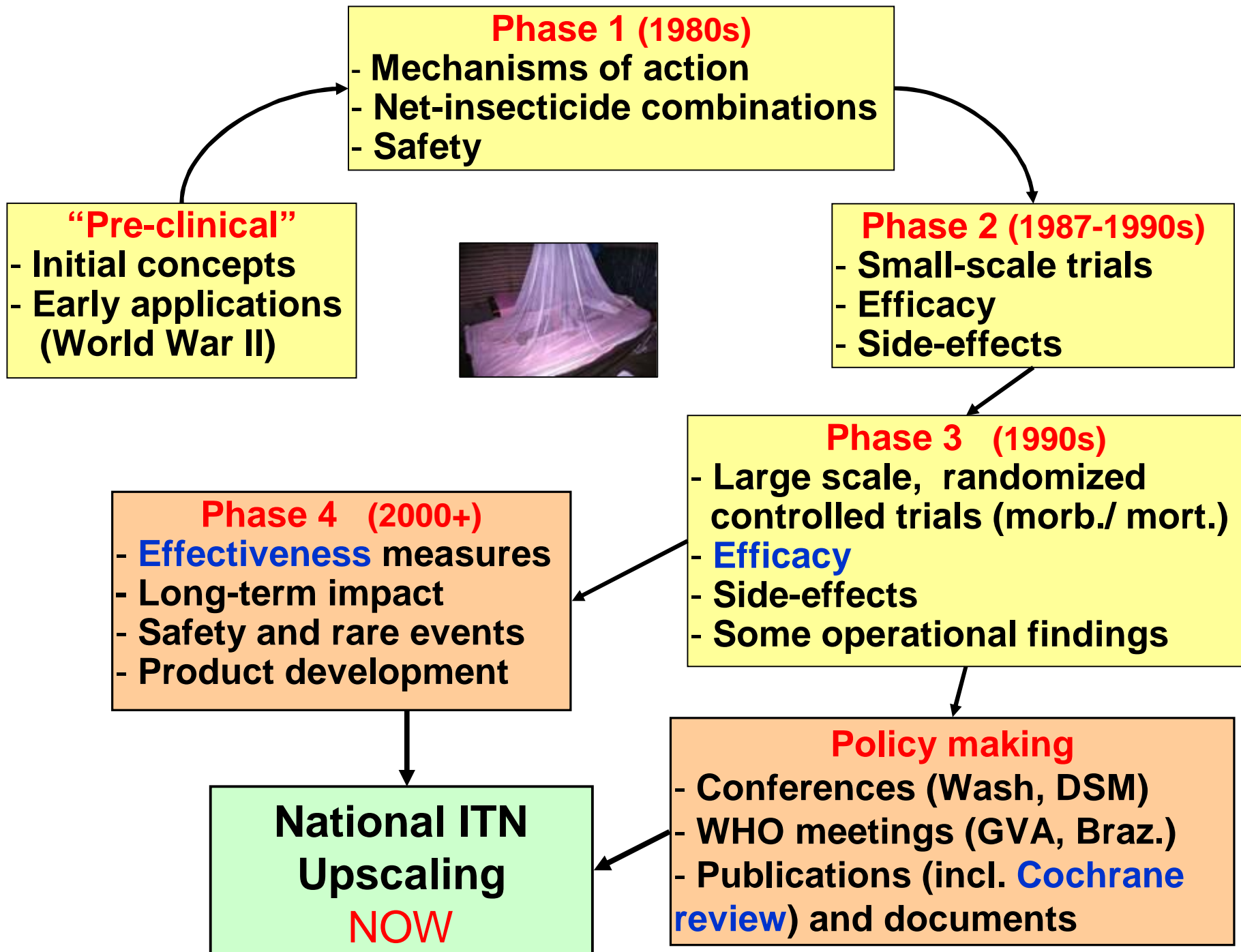
**For drugs: treatment compliance might be lower, the indications might be less rigorous, co-morbidity might affect treatment effect, ages might be different in routine utilization compared to trials, etc.**

**For vaccines: There might be a problem with the storage (or the cold chain) that reduces the vaccine's performance. For multi-dose vaccines compliance might be low.**

**For public health programmes: diagnostic accuracy, coverage and compliance might be sub-optimal (see below); delivery might not be optimal or irregular, lower coverage rates might impact if “herd effect” is required, etc.**

**Scientists should not only focus on **efficacy** assessment, but also undertake **effectiveness** assessments**





**Evidence from RCTs (efficacy) and from implementation programmes (effectiveness) is available end 1999 (International ITN conference in DSM)**

***How can scientists be involved in the implementation?***

**1. Make results known at national level through formal and informal meetings with relevant individuals and institutions:**

- **Minister of Health, PS, etc.**
- **National Malaria Control Programme**
- **Other researchers**
- **Bilateral donor agencies**
- **Non-governmental organizations**
- **Private sector**

**2-hour meeting in early 2000 to present findings to senior MoH officials**

## **2. Publications in accessible language**

**KINET project Brochure in addition to Lancet paper**

## **3. Contribute to the writing of a national policy and see that it gets approved officially**

**July-August 2000, preparation of policy document with 2 consultants, financing from UNICEF**

**December 2000: policy approved by senior MoH officials**

## **4. Contribute to creating an appropriate national forum for discussing the results, elaborating the policy and finally implementing a programme**

**Creation of national ITN Steering Committee by MoH...**

**Two scientists sitting on it**

**5. Contribute to setting up a national programme coordination unit for ITNs**

**ITN cell created with Swiss support in 2002; Team leader and staff recruited in 2003**

**6. Contribute to funding applications**

**Successful GFATM application in 2003 (Round 1) and later rounds; PMI, WB, etc.**

**7. Continuous technical support through involvement in ITN cell and national ITN Steering committee**

**Ongoing**

**In some instances, it is appropriate for Scientists to also get involved in programme implementation**