

SUSTAINABLE DEVELOPMENT IN AGILE ENVIRONMENTS

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ABSTRACT

Agile processes in order that they are sustainable must have their components working in cohesion at a constant pace [1], the 8th principle of agile manifesto is critical from the perspective of sustainability. In real world scenario variations in delivery will be present no matter how much streamlining or automation is inculcated into systems. Introducing flexibility into systems will have to be investigated in some detail. We are attempting thus to bridge the gap between the two important parts or pillars of the 8th principle eventually.

INTRODUCTION

Where do variations come from? Is a question that is not the scope of this article, however we will talk of the interacting components such as the sponsors, developers and users which are continuously striving to meet project deliverables, while hoping to stay within the constraint of maintaining a constant pace amongst themselves.

In the flow chart below, we will see how introduction of flexibility is a necessary component to represent the flow of a sustainable process in agile [1]

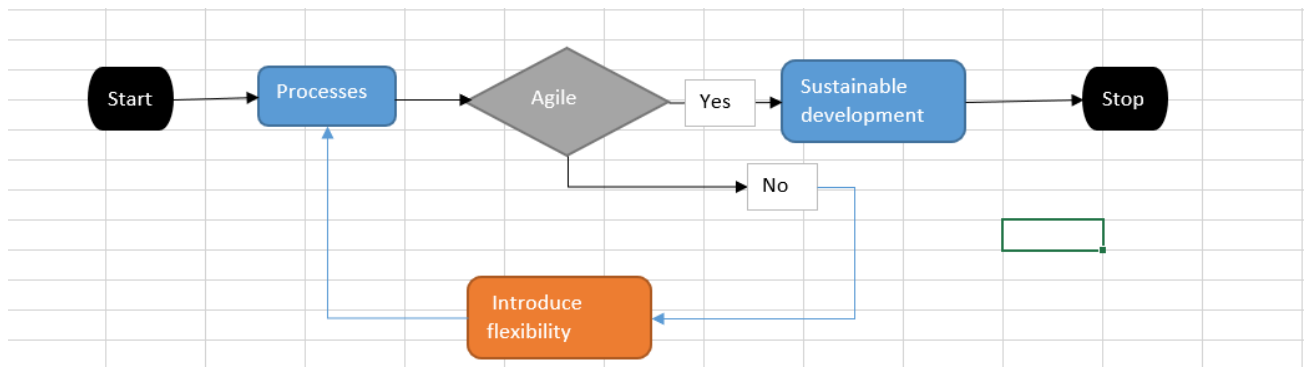


Figure a: An unsustainable process requires interlude and flexibility is to mediate here

We will show in the next flow chart how this flexibility is really introduced to maintain constant pace:

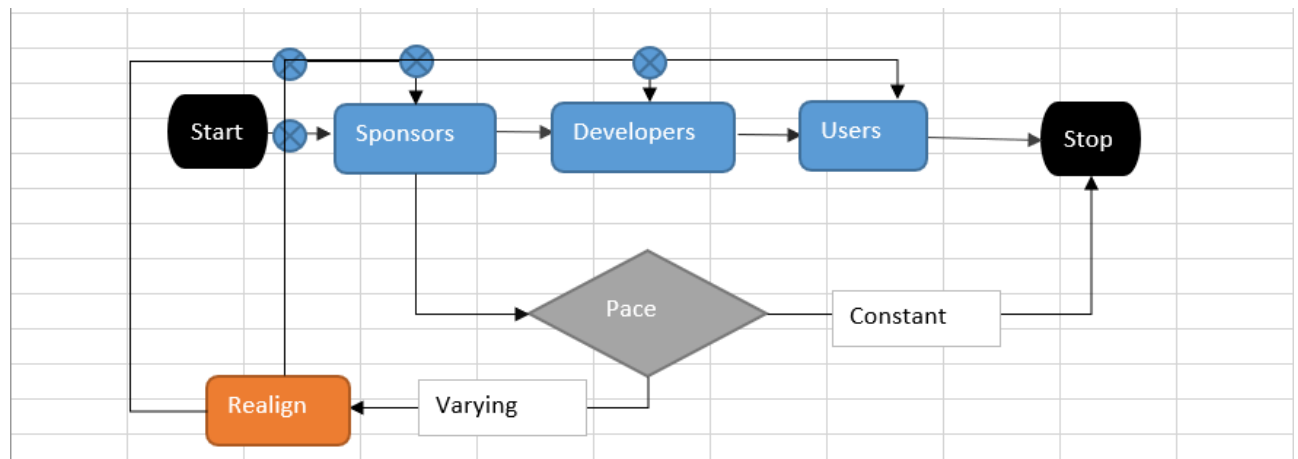


Figure b: Components working in cohesion to promote constant pace of delivery amongst themselves.

The above schematic shows the control points that would really be activated in order, for pace to shift from a varying to a constant one to maintain the essence of sustainability.

CONCLUSION

A sustainable development will be an eventual outcome at the end of multiple iterations of a project workflow, realignment (per Figure b) must be decomposed into subsystems that are coherent, that also show how the variations will be adjusted to promote a consistent pace for sustainable development. \

REFERENCES

1) Agile Manifesto: https://www.scrumalliance.org/resources/agile-manifesto?utm_term=&utm_campaign=Live+Online+Courses&utm_source=adwords&utm_medium=ppc&hsa_acc=8637613312&hsa_cam=10054990704&hsa_grp=112186221774&hsa_ad=498878865721&hsa_src=g&hsa_tgt=dsa-1025284834960&hsa_kw=&hsa_mt=b&hsa_net=adwords&hsa_ver=3&gclid=EA1aIQobChMI1eOc3-SR8AIVLpZLBR0ScwLaEAAYASAAEgLZPPD_BwE