World Innovation Symposium on Human behavior

Activity report of BEST





A brief summary of recent activities of the Behavioral Sciences Team (BEST)

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<u>Behavioral Sciences Team (BEST)</u> – Japan's nationwide challenge

Established

- In April 2017 on the initiative of Japan's Ministry of the Environment (MOE)
- MOE also has its nudge unit (Nudge PT; Platinum) since 2015

Mission

 To promote autonomous behavior changes with the personalized approach of respecting every person's values while preserving freedom of choice, in order to enable people to make better choices



<u>Behavioral</u> <u>Sciences</u> <u>Team</u> (**BEST**) – Japan's nationwide challenge

Purpose

 To apply initiatives that are based on BIs including nudges to the society as a government policy or a business strategy as early, and disseminate them in an autonomous way

≻ <u>Goals</u>

- To perform policymaking and practices through robust effectiveness measurement and based on evidence, improve transparency, and ensure accountability
- To disseminate effective behaviorally-informed approaches to the public and private sectors, that complement the traditional policy approaches
- To create a win-win-win situation for various stakeholders, and let the BI approaches take root in communities

<u>Behavioral</u> <u>Sciences</u> <u>Team</u> (**BEST**) – Japan's nationwide challenge

Members

- Industry, academia, politics, central & local governments, and other relevant individuals [<u>all-Japan system</u>]
- Every person and entity that is <u>ambitious to make Japan and the world a better</u> <u>place</u>
- <u>10+ central gov'ts joined thus far</u>: Ministry of the Environment; Cabinet Secretariat; Cabinet Office; National Police Agency; Consumer Affairs Agency; Ministry of Internal Affairs and Communications; Ministry of Foreign Affairs; Ministry of Finance; Ministry of Education, Culture, Sports, Science and Technology; Japan Sports Agency; Ministry of Health, Labour and Welfare; Ministry of Agriculture, Forestry and Fisheries; Ministry of Economy, Trade and Industry; Agency for Natural Resources and Energy; Ministry of Land, Infrastructure, Transport and Tourism; National Personnel Authority; Board of Audit

Policy Field

<u>All policy fields</u>; not only energy & environment, but health care, education, transportation, etc.

Global cooperation

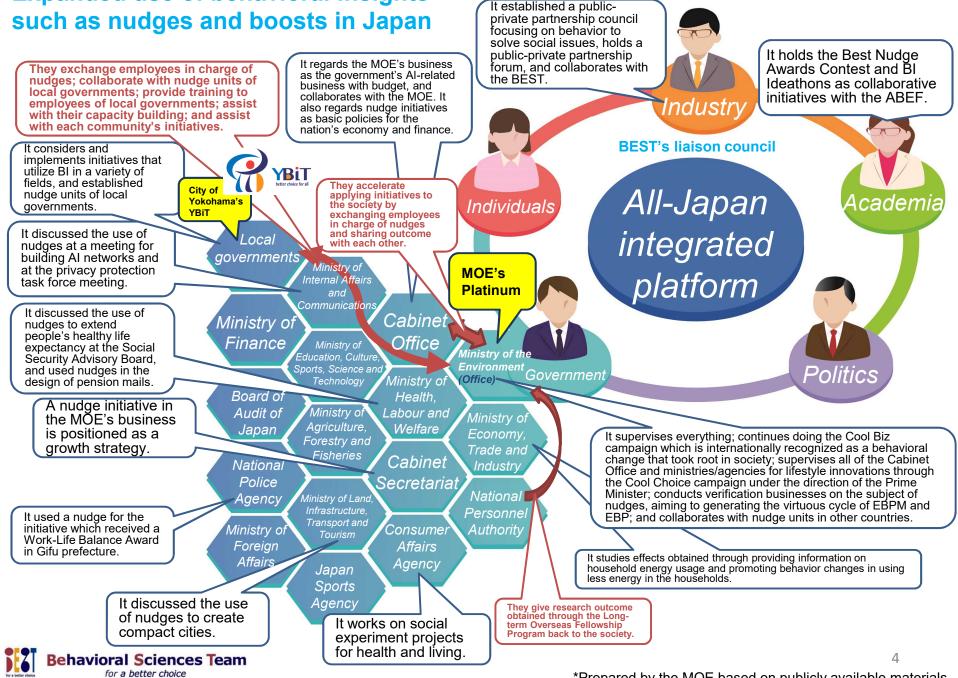
Open space for open discussion where everyone can join [NOT limited to governments]

 Info sharing, policy dialogue, collaborative study, int'l conference, etc. with overseas governments, businesses, and experts.

Behavioral Sciences Team

Expanded use of behavioral insights such as nudges and boosts in Japan

Letters in red: cross-organizational collaboration



*Prepared by the MOE based on publicly available materials





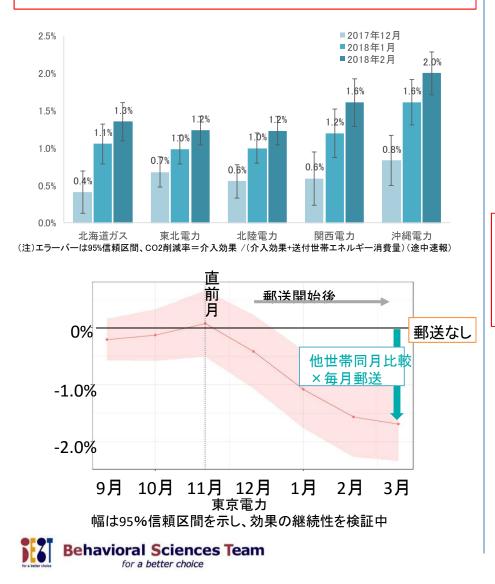
✓ BEST is for <u>a</u> <u>b</u>etter <u>c</u>hoice

✓ BEST helps <u>a</u>utonomous <u>b</u>ehavior <u>c</u>hanges

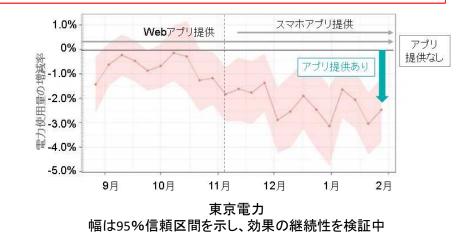


First year results (FY2017)

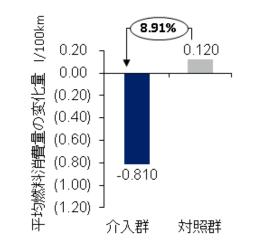
Home Energy Reports produced statistically significant energy savings in the 1.2-2.0% range, varying by locality and climate.



When reinforced with feedback sent via Web and smartphone app, energy usage reductions in the 3% range were seen.



Eco-driving pilot studies showed improvement in driving behaviors such as reduction in sudden braking and abrupt starts, and fuel consumption was reduced by approximately 9 percent.



*not statistically significant; largescale experiment is in preparation.

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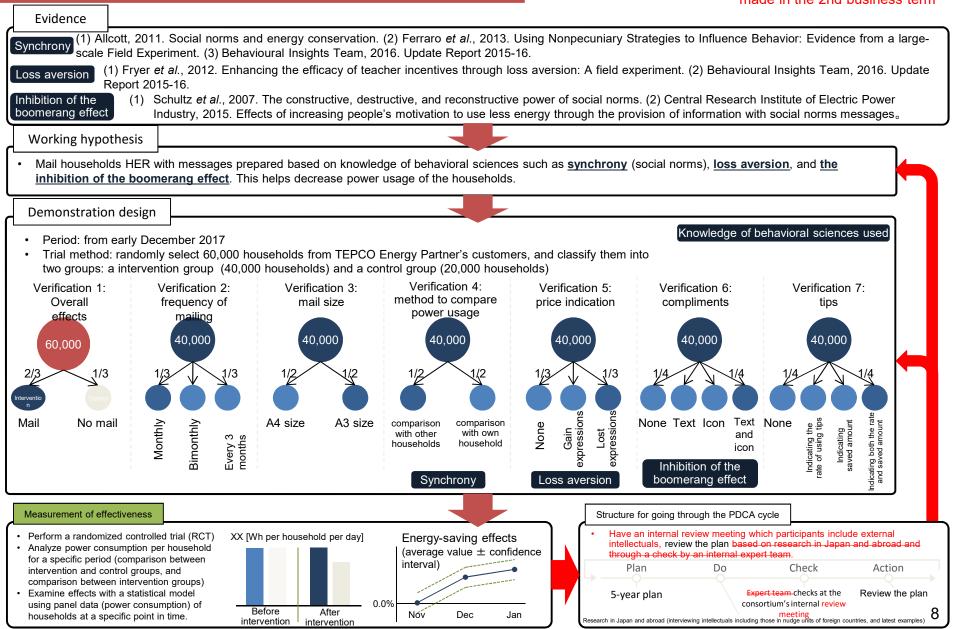
Which do you think is more effective for the Japanese?



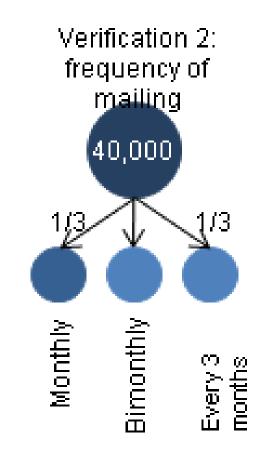


Example: Examining best design of an energy-saving report for households

*Letters in red: improvements made in the 2nd business term



Frequency of mailing

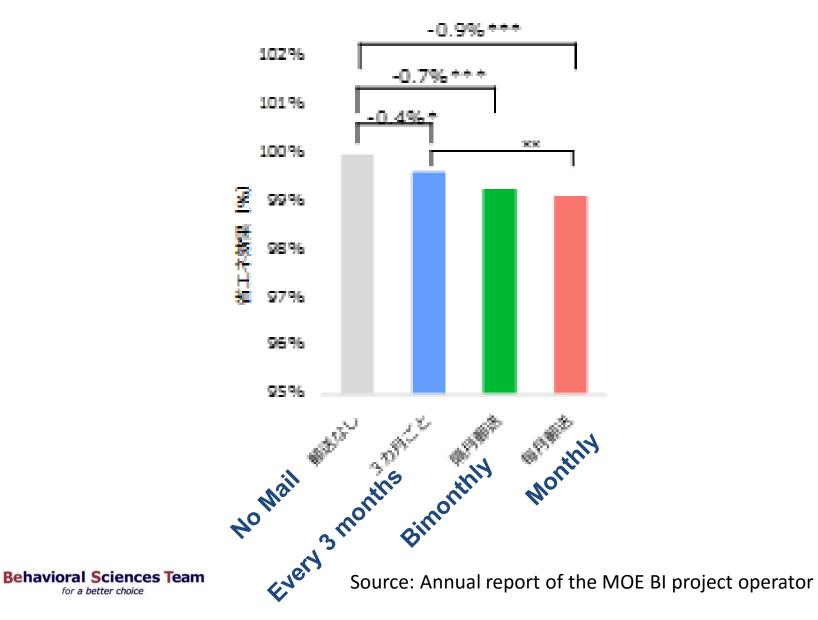




Frequency of mailing

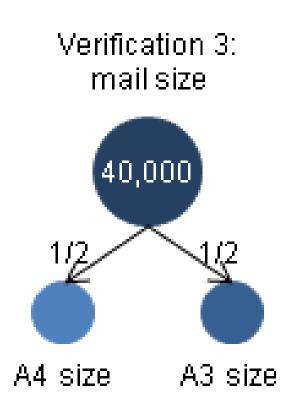
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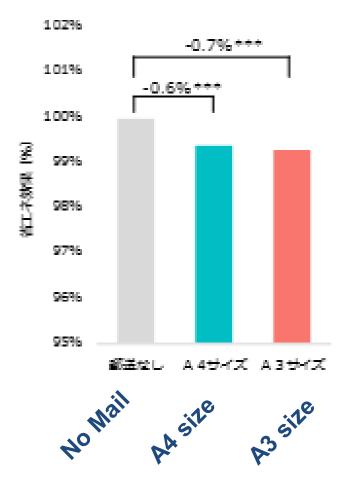








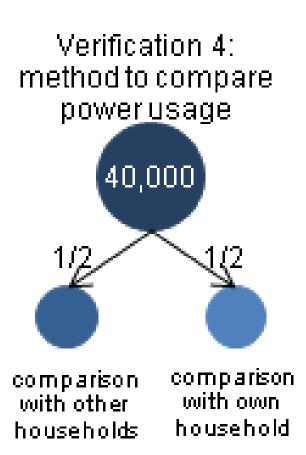
■送1年日の平均効果 (株園X港:***p<0.001,**p<01,*p<05,*p<10)





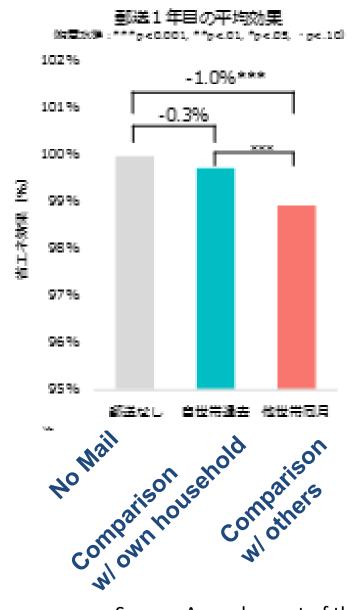
Source: Annual report of the MOE BI project operator ¹²

Comparison





Comparison



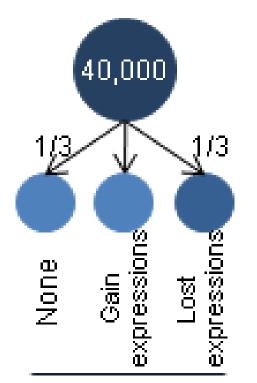


Source: Annual report of the MOE BI project operator

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Verification 5: price indication



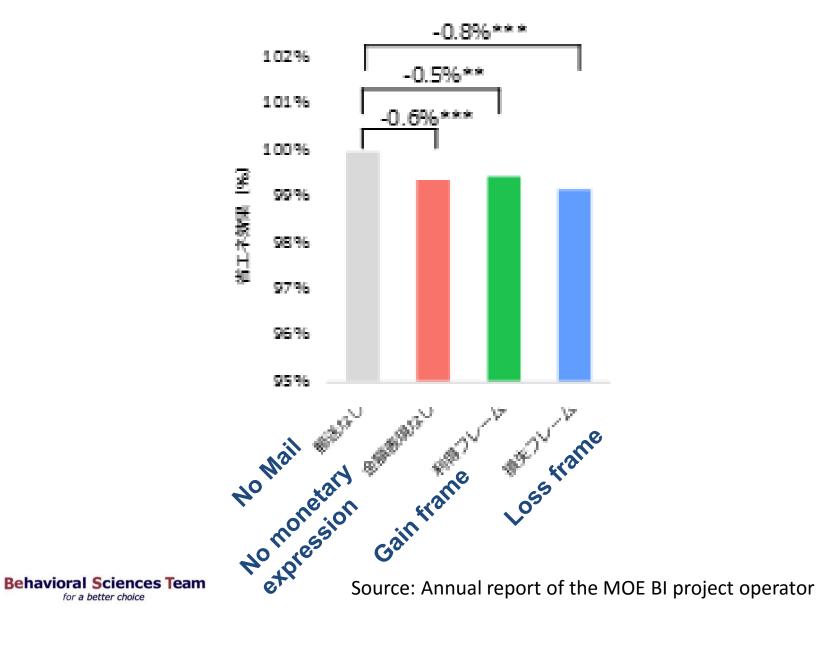


Gain or Loss

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for a better choice







Global Public Comment

On this year's activity of BEST

From TODAY through July 1st



Tentative plan

- (1)日本版ナッジ・ユニットBEST としての全体戦略やロードマップの策定 (※行動に起因する社会課題の解決のためのイノベーション戦略(仮称))
- (2)倫理的配慮の深堀り、「良い」ナッジ/「悪い」ナッジの検討
- (3)日本のナッジの事例集作成・事例紹介
- (4) 地方公共団体の参考に資する行動インサイト活用の手引きの作成
- (5)府省庁・地方公共団体を対象としたキャパシティビルディング (※環境省/内閣府/横浜市のナッジ・ユニット/チームとの連携により実施中)
- (6)国際連携・国内外への発信(※本シンポジウム等)



